

FIG. 1

10

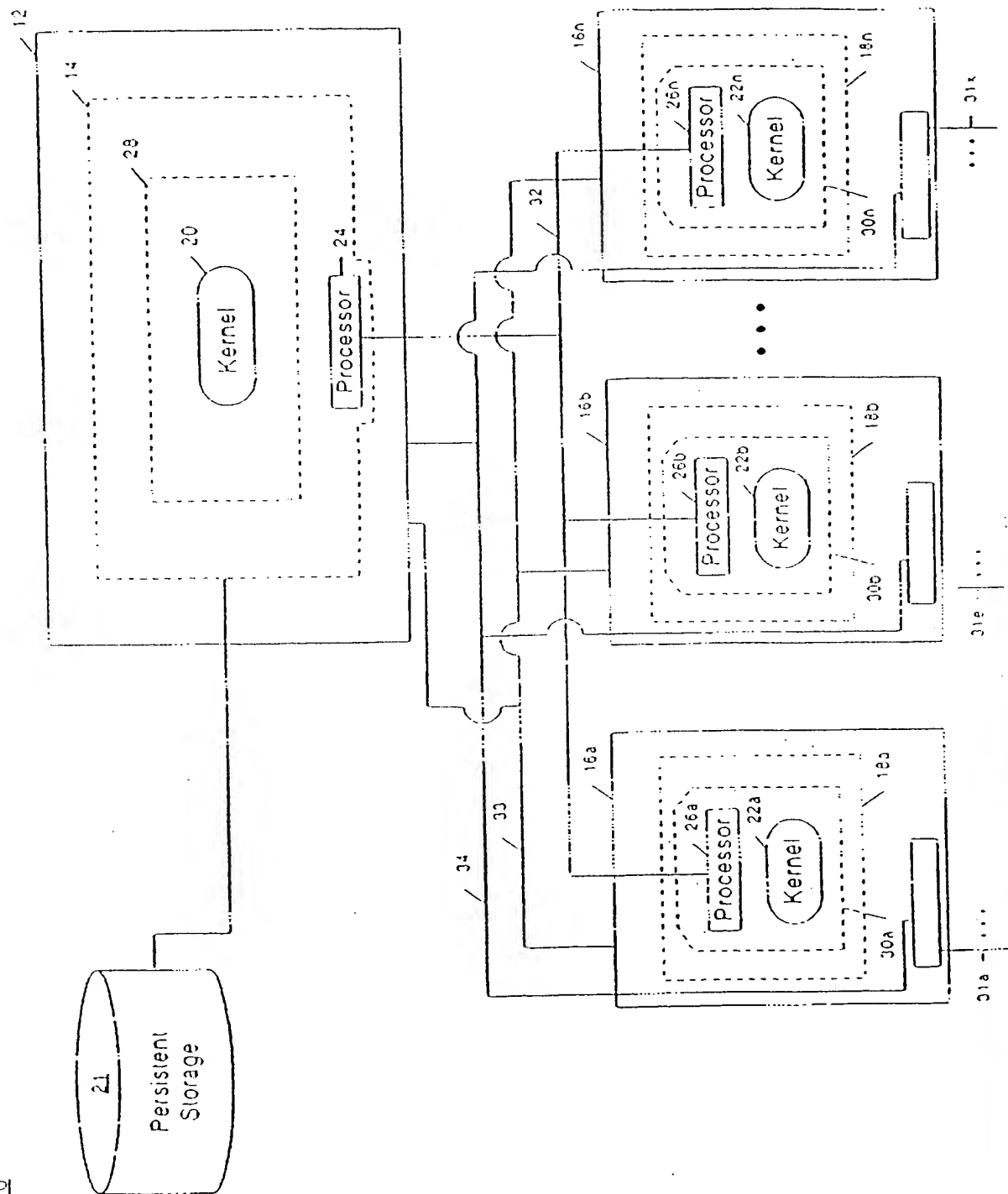


Fig. 2a

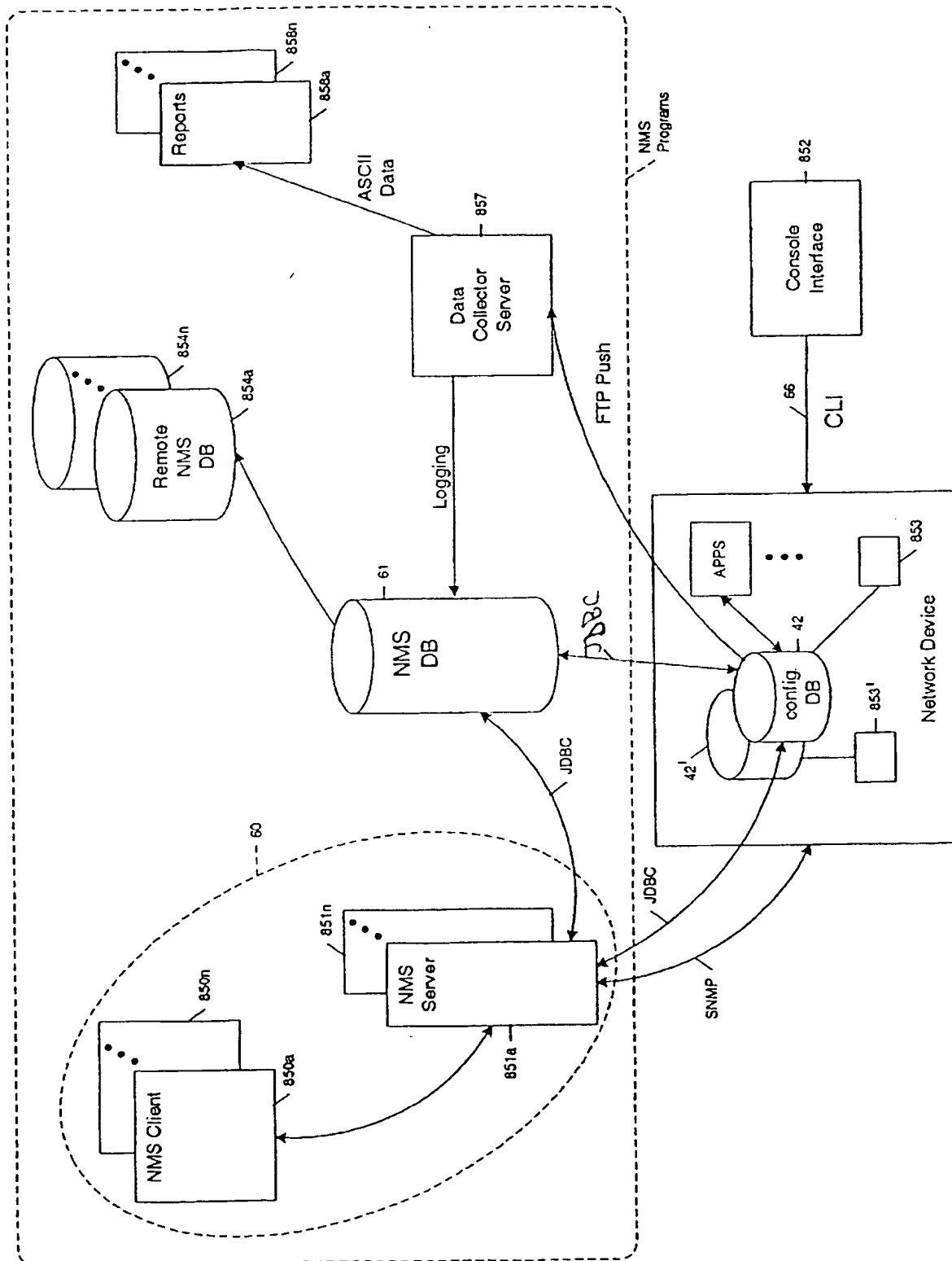


Fig. 2b

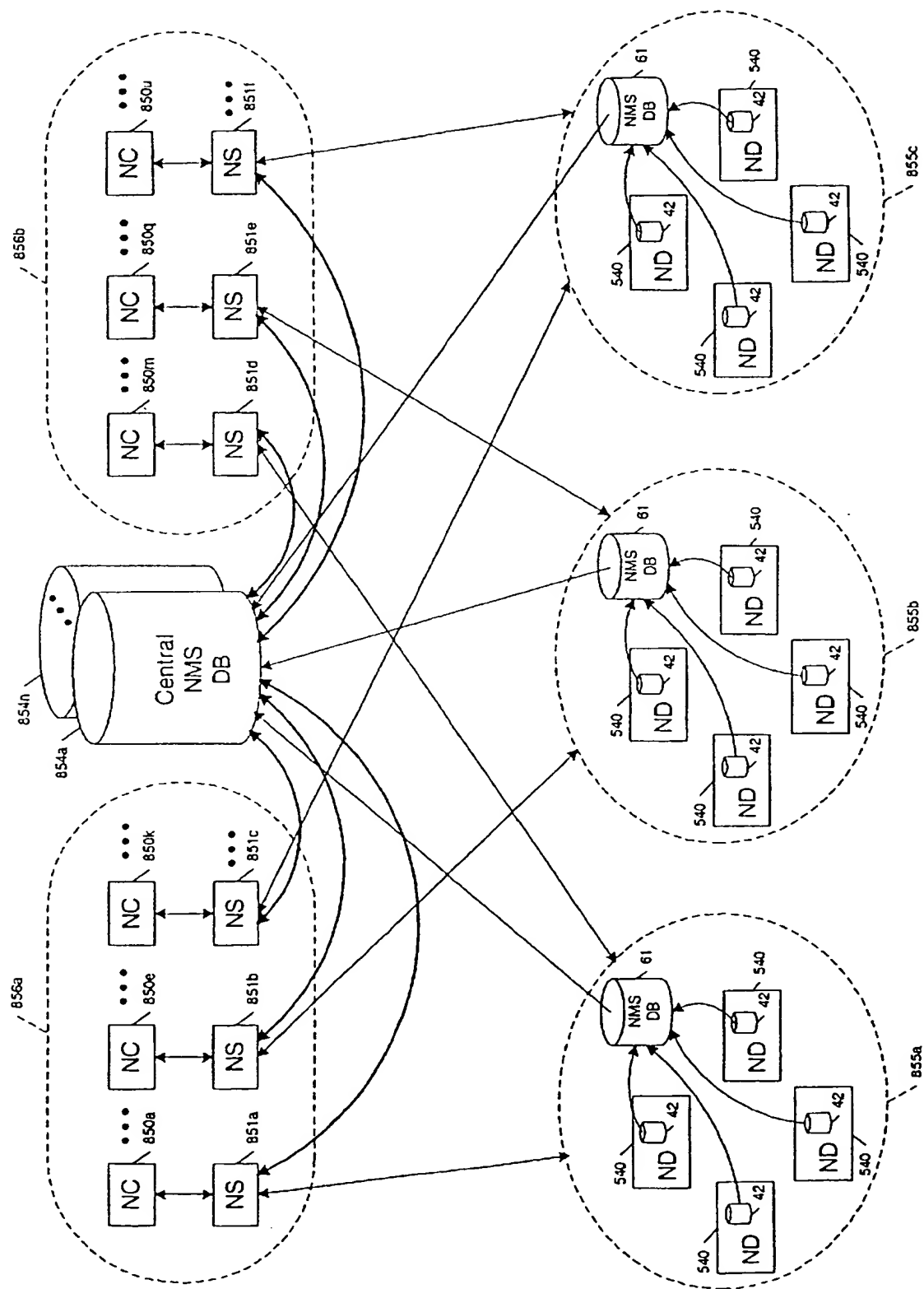


FIG. 3a

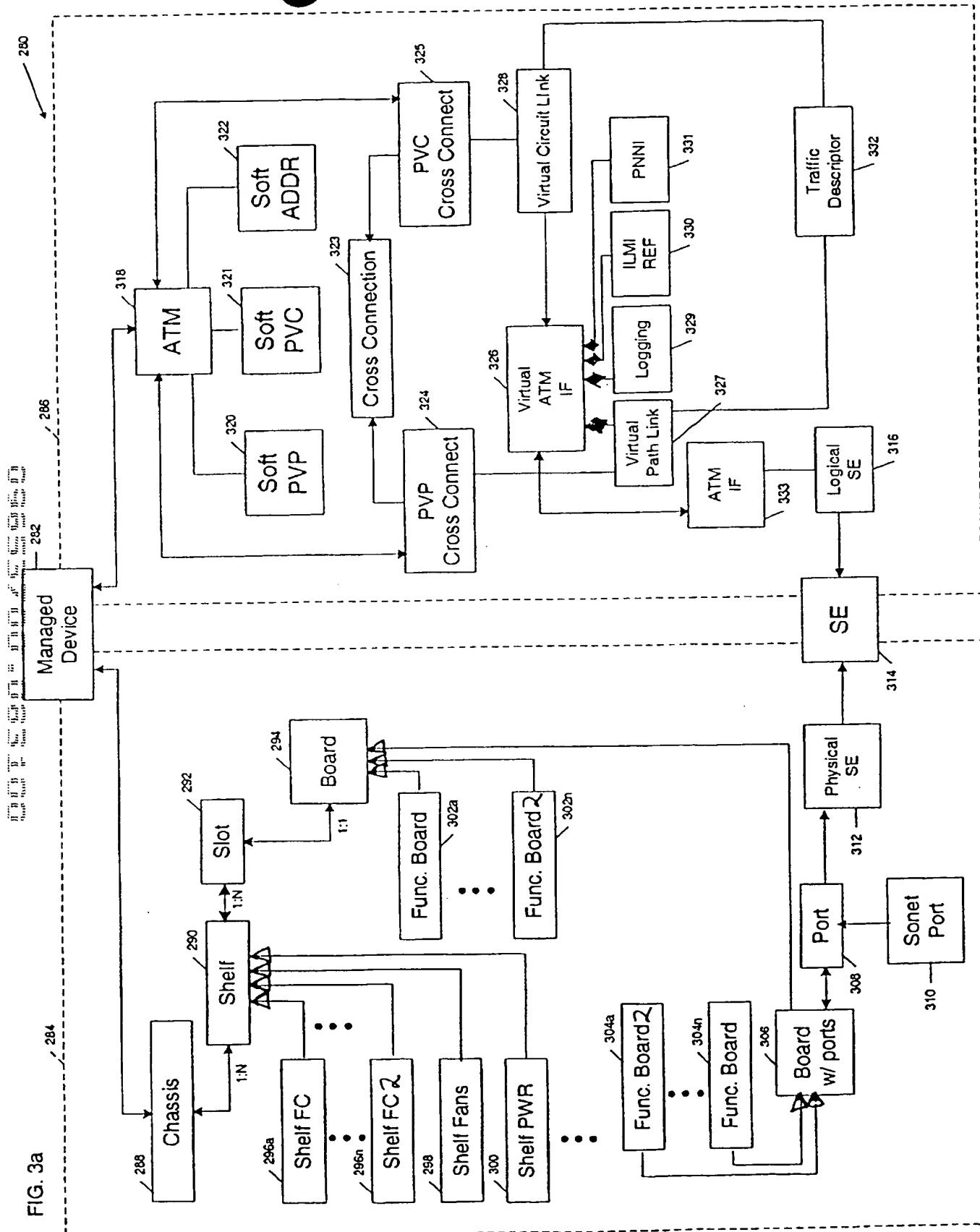
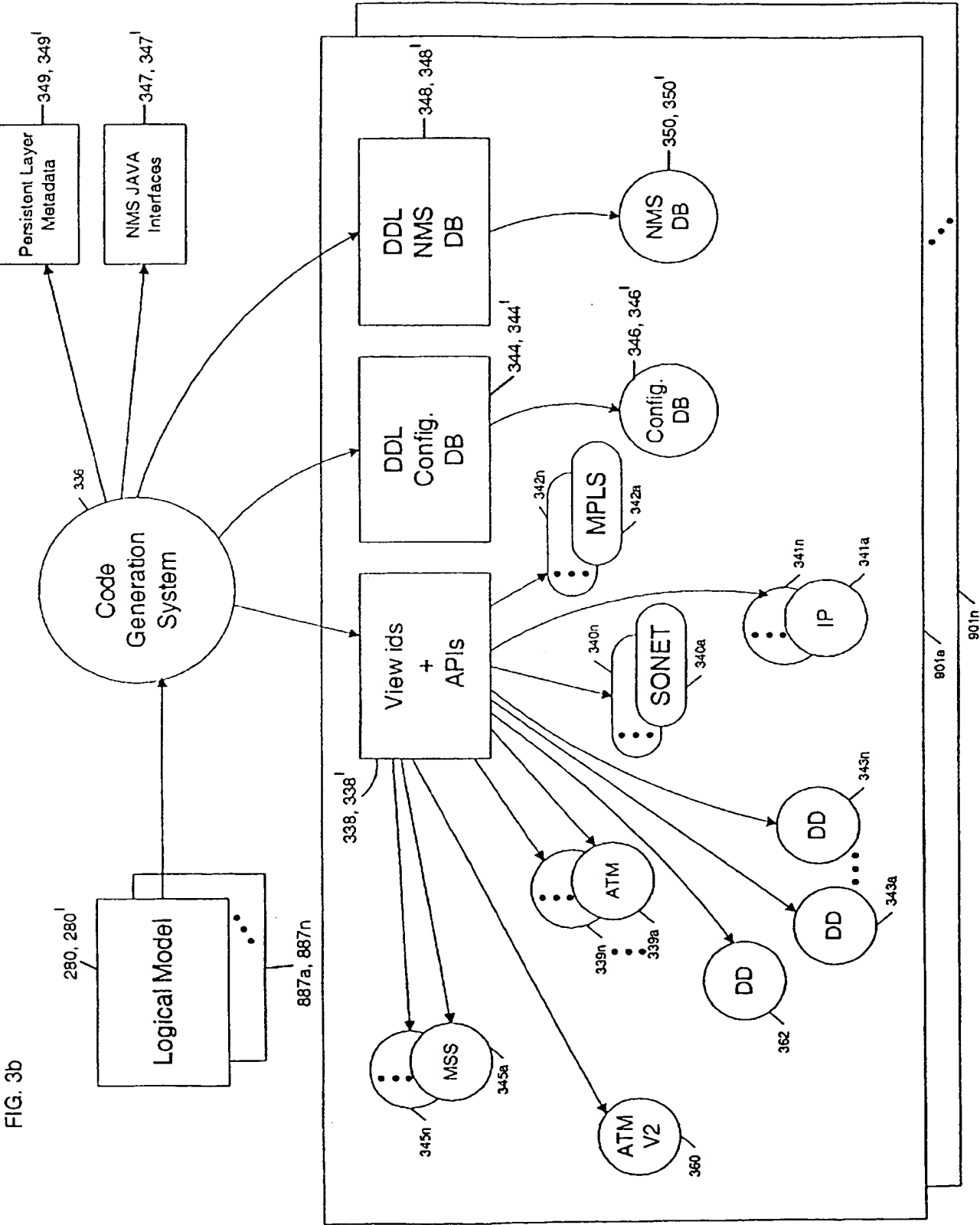


FIG. 3b



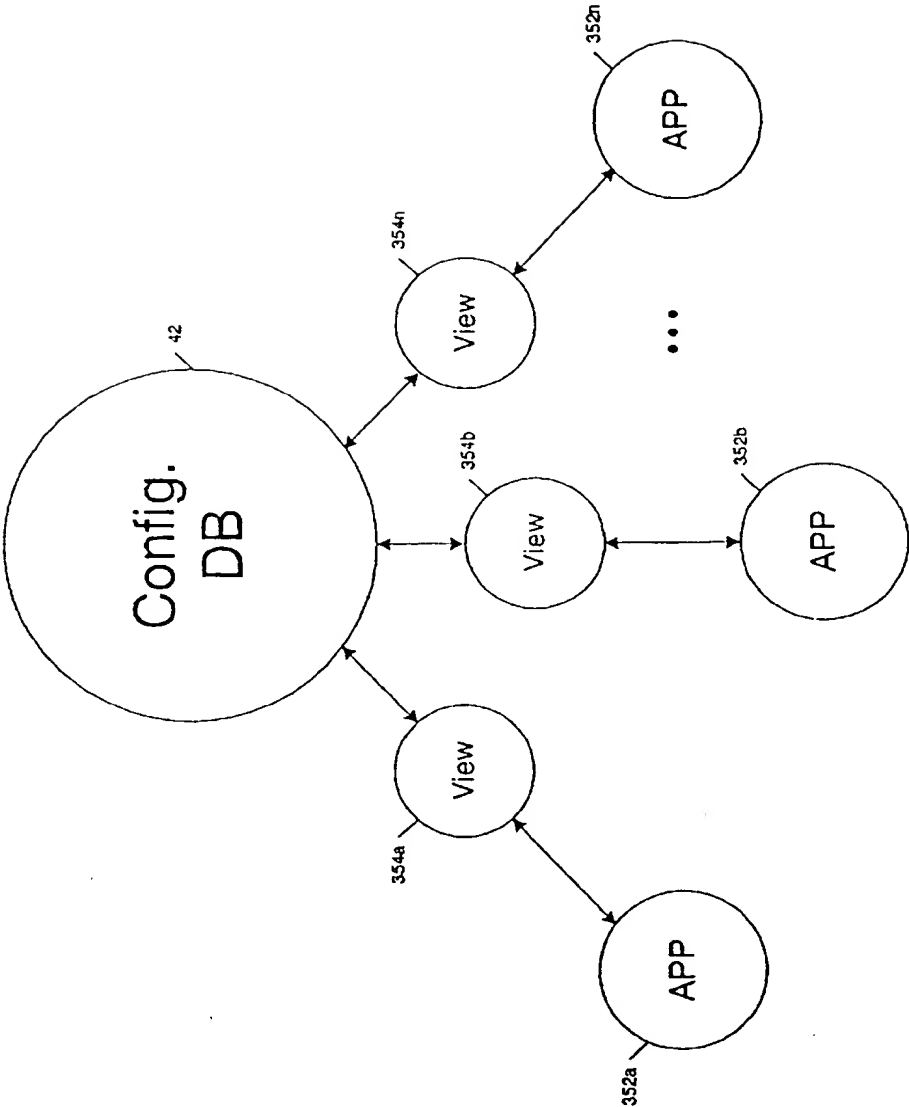


FIG. 3c

Fig. 3d

FIG. 3d is a block diagram of the SONET application build process. The process starts with the Main APP (.c) file (859a), which is compiled into the Main APP (.o) file (859a'). The Performance Monitoring (.c) file (859b) is compiled into the Performance Monitoring (.o) file (859b'). The Alarm Monitoring (.c) file (859c) is compiled into the Alarm Monitoring (.o) file (859c'). These object files are then linked together to form the Sonet APP (.exe) file (860). The Sonet API (.a) file (340a) is also linked into the Sonet APP (.exe) file (860).

Build SONET Application

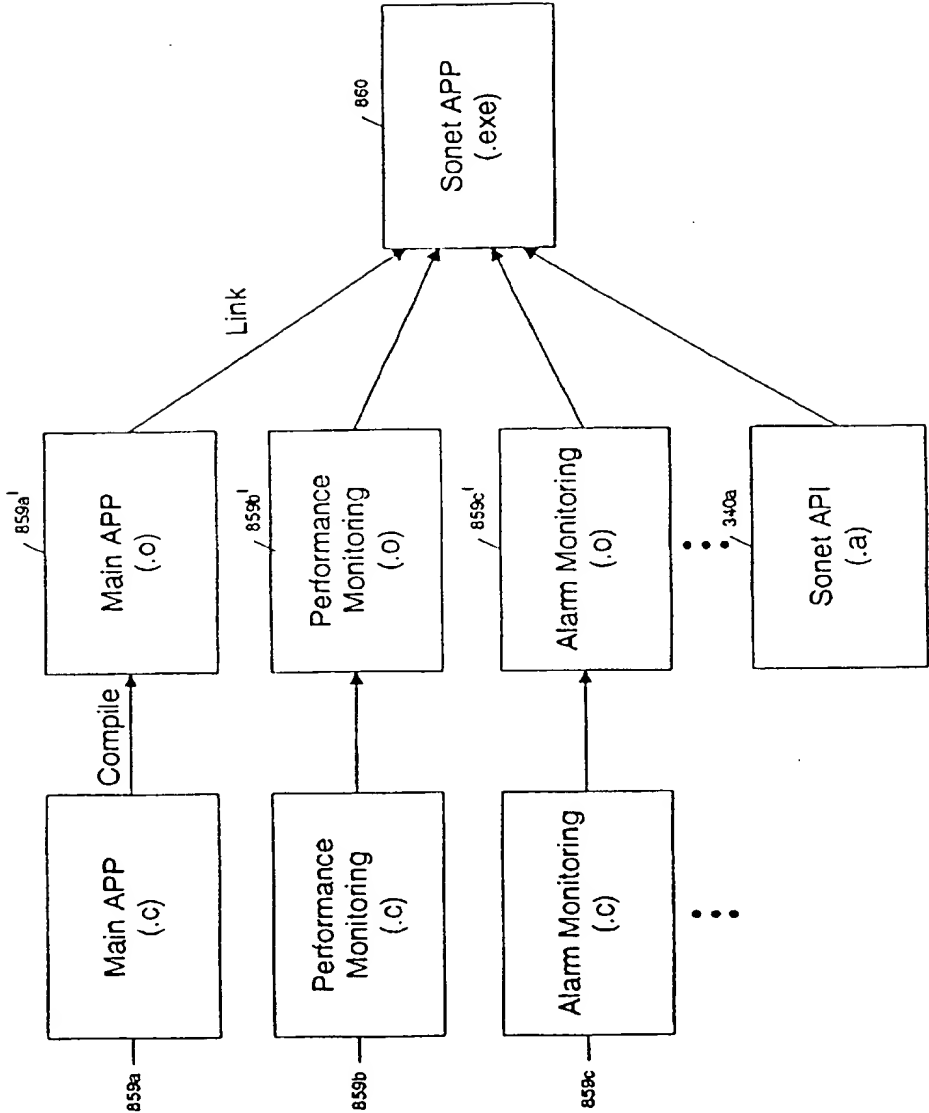
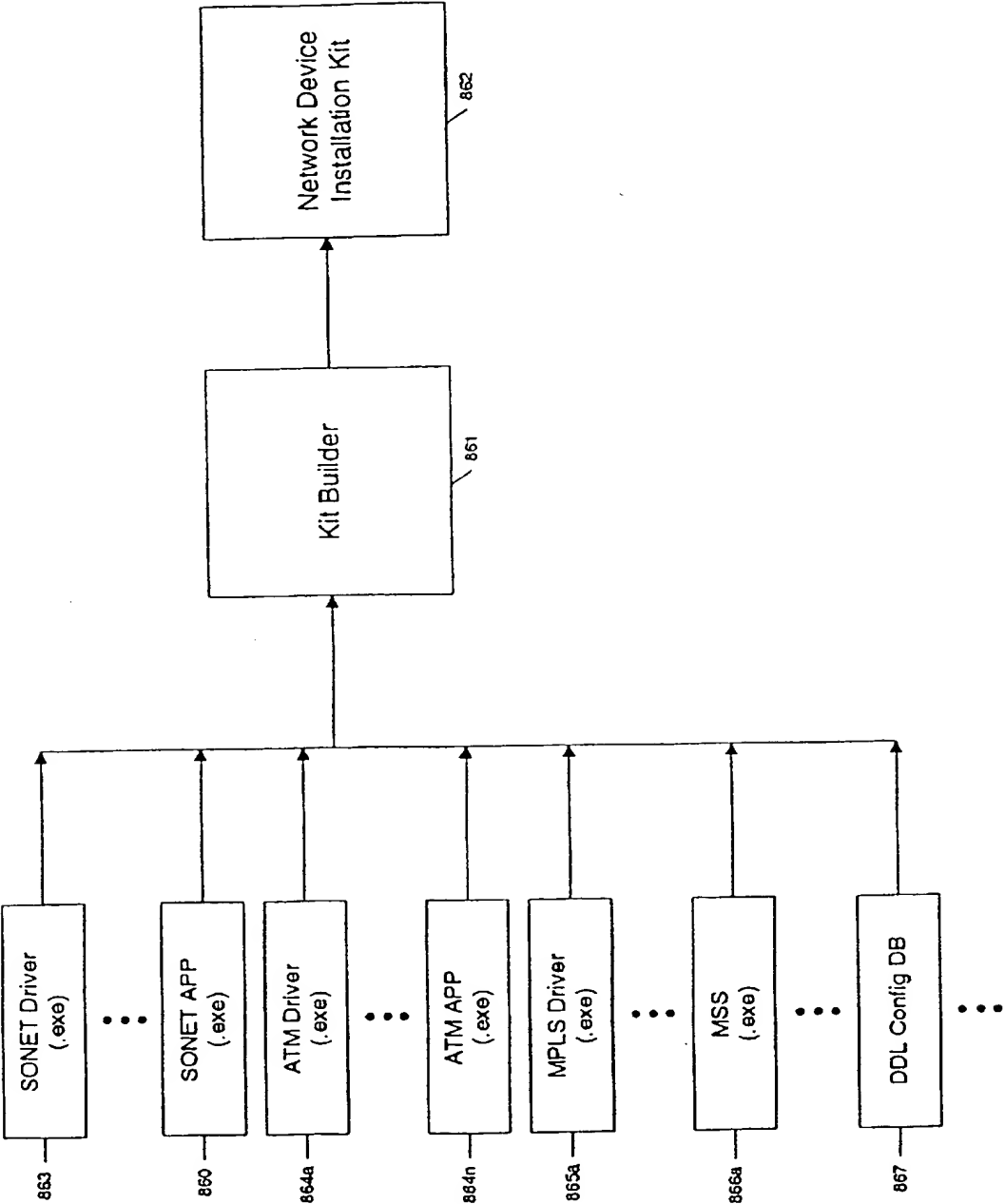


Fig. 3e



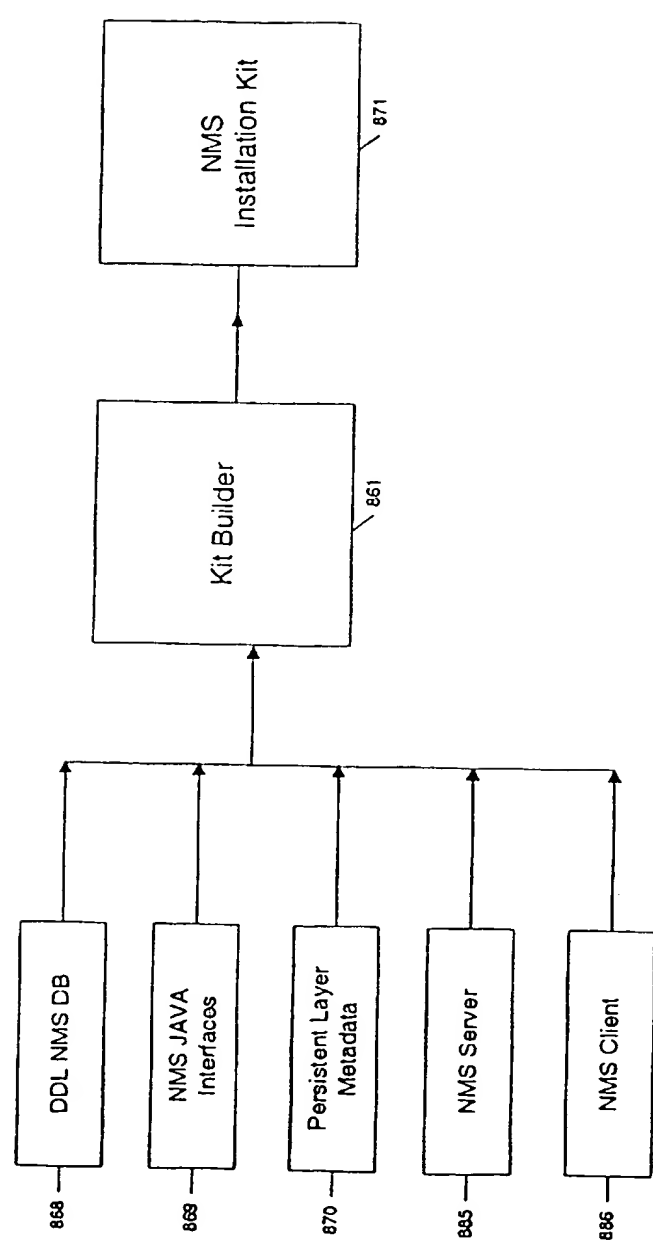


Fig. 3A

Fig. 3g

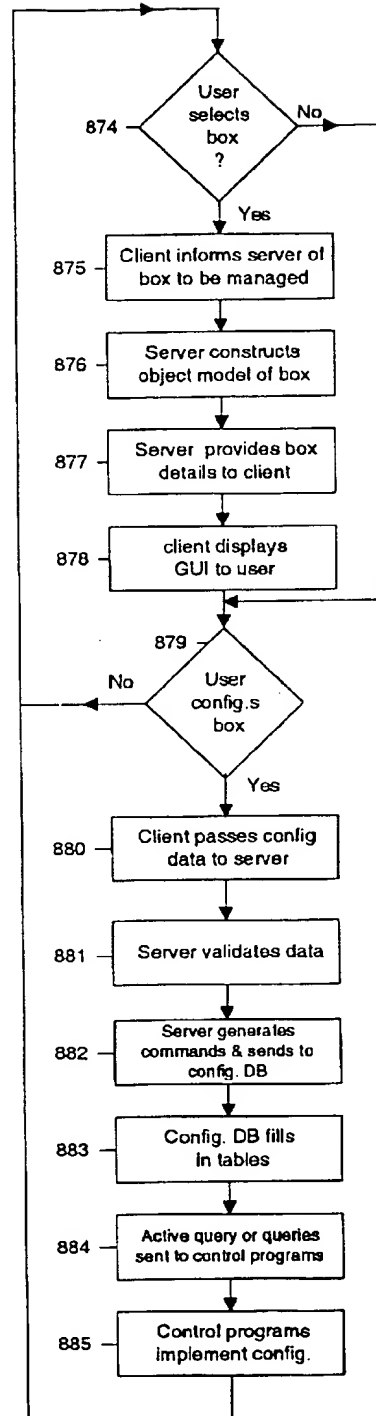
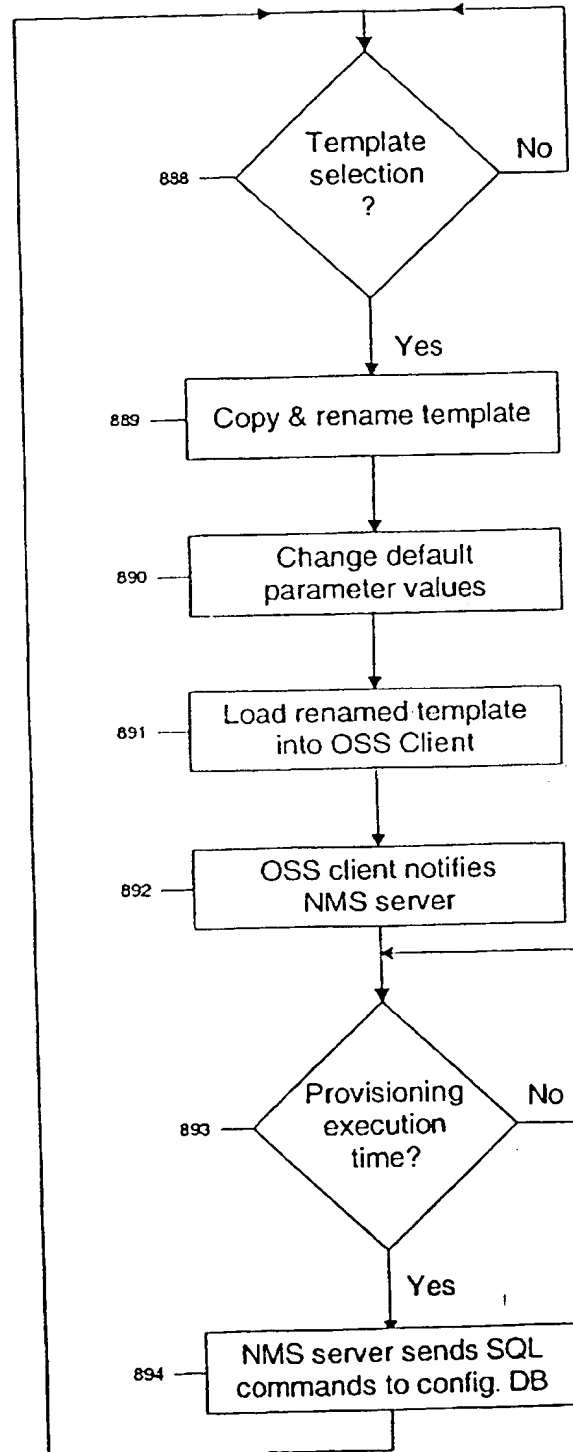


Fig. 3h




```
Command Prompt (2) - enetc5
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli> help
Commands are:
bye
close
execute
help
load
manage
open
quit
showCurrent
showTemplate
set
status
writeCurrent
writeTemplate
Enetccli>
Enetccli>
Enetccli> showCurrent SPATH
ATMIfName=ATM11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=ATM
ShelfID=11
SlotID=1
Type=Terminated
Version=U1_1_0_0
Width=STS3
Enetccli>
Enetccli>
Enetccli>
Enetccli> showTemplate SPATH
ATMIfName=(String)[TerminatedOnly]
Concatenated=(true|false)
Name=(String)
Operant=SPATH
Operator=(Create|Replace|Update|Delete)
PortID=(Integer)<1-16>
Position=(Integer)
Service=(None|ATM)
ShelfID=(11[top]|13[bottom])
SlotID=(Integer)<1-8>
Type=(Switched|Terminated)
Version=U1_1_0_0
Width=(STS1|STS3|STS12|STS48)
Enetccli>
Enetccli>
Enetccli> status
Not currently connected to server
Supporting templates: CONTROL, PUC, SPATH, SPUC, ID, and UAIF
Enetccli>
```

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920

Fig.3i

Fig. 3j

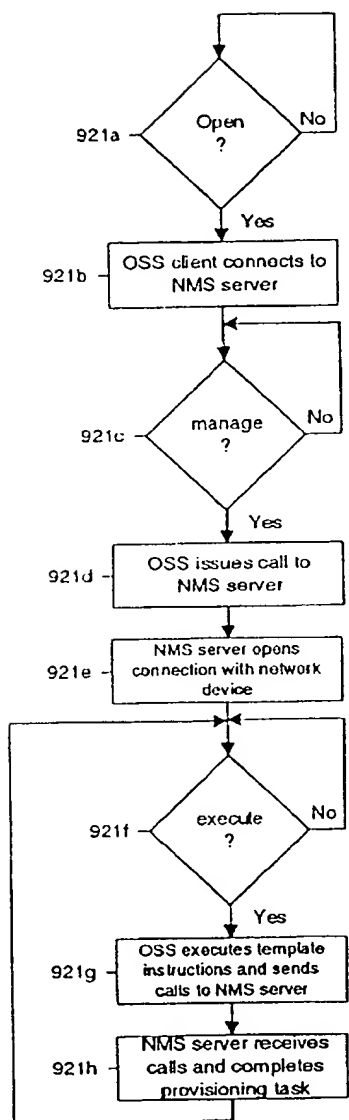


Fig. 3K

```

C:\Program Files\NetScout Systems\netcat> Command Prompt (2) - enetccli
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
Enetccli>
922- Enetccli> showCurrent CONTROL
Input=Q:\nms\com\equipecon\nms\utils\netccli
Interactive=false
Operant=CONTROL
923d- Operator=Manage
923f- Output=Q:\nms\com\equipecon\nms\utils\netccli
923c- Password=None
923e- System=192.168.9.202
923b- User=None
923g- Version=U1_1_0_0
Server=localhost
923a- Enetccli>

```

[illegible]

Fig. 3L

← 924 BATCH

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a — Task1=execute-SPATH

924b — Task2=execute-PVC

924c — Task3=execute-SPVC

924d — Task4=load-SPVC-spvc1

924e — Task5=execute-SPVC

924f — Task6=load-SPVC-spvc2

924g — Task7=execute-SPVC

924h — Task50=set-SPATH-PortID-3

924i — Task51=execute-SPATH

924j — Task52=set-SPATH-SlotID-2

924k — Task53=execute-SPATH

Fig. 3M

← 925

Operant=BATCH

Operator=Execute

- Version=V1_1_0_0

925a - Task1=execute-CONTROL

925b - Task2=execute-SPATH

925c - Task3=set-SPATH-PortID-3

925d - Task4=execute-SPATH

925e - Task61=set-CONTROL-System-192.168.9.201

925f - Task62=execute-CONTROL

925g - Task63=execute-SPATH

925h - Task108=close

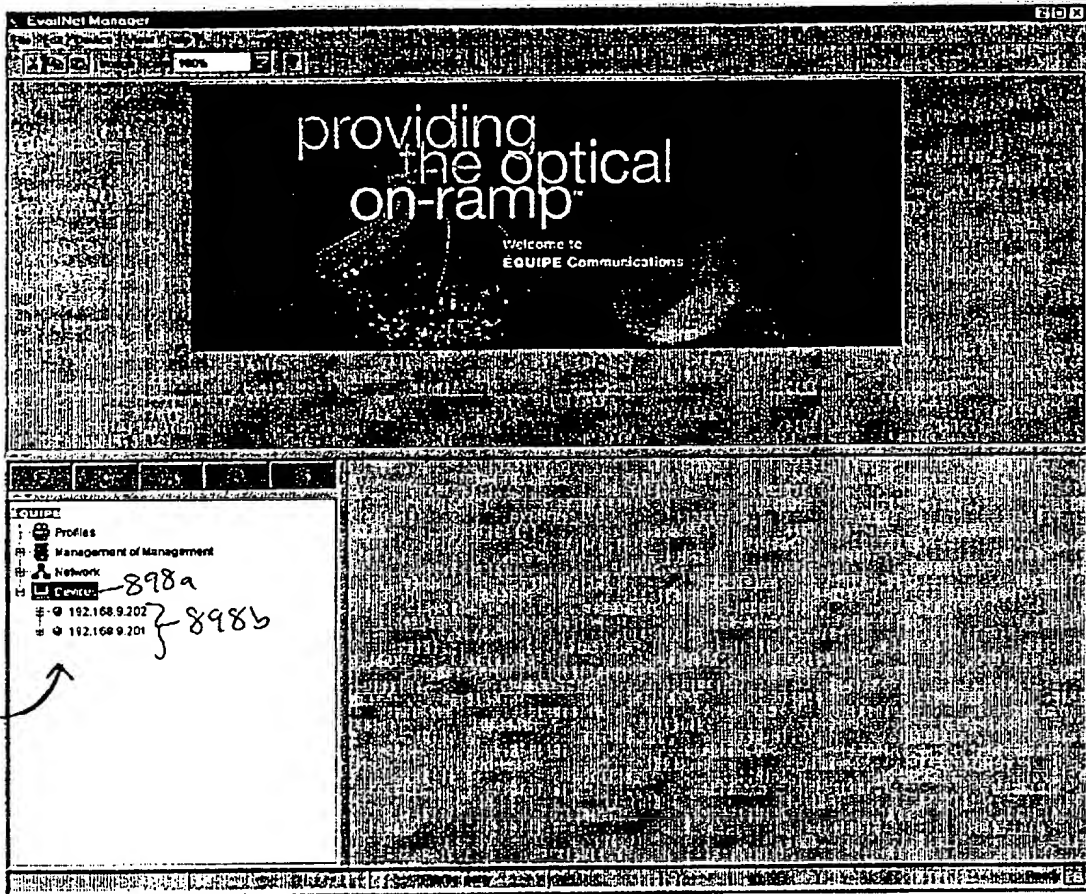
925i - Task109=set-CONTROL-Server-Server1

925j - Task110=set-CONTROL-System-192.168.8.200

925k - Task111=execute-CONTROL

925l - Task112=execute-SPATH

895



898

Fig.4a

895

898b

898

898a

898c

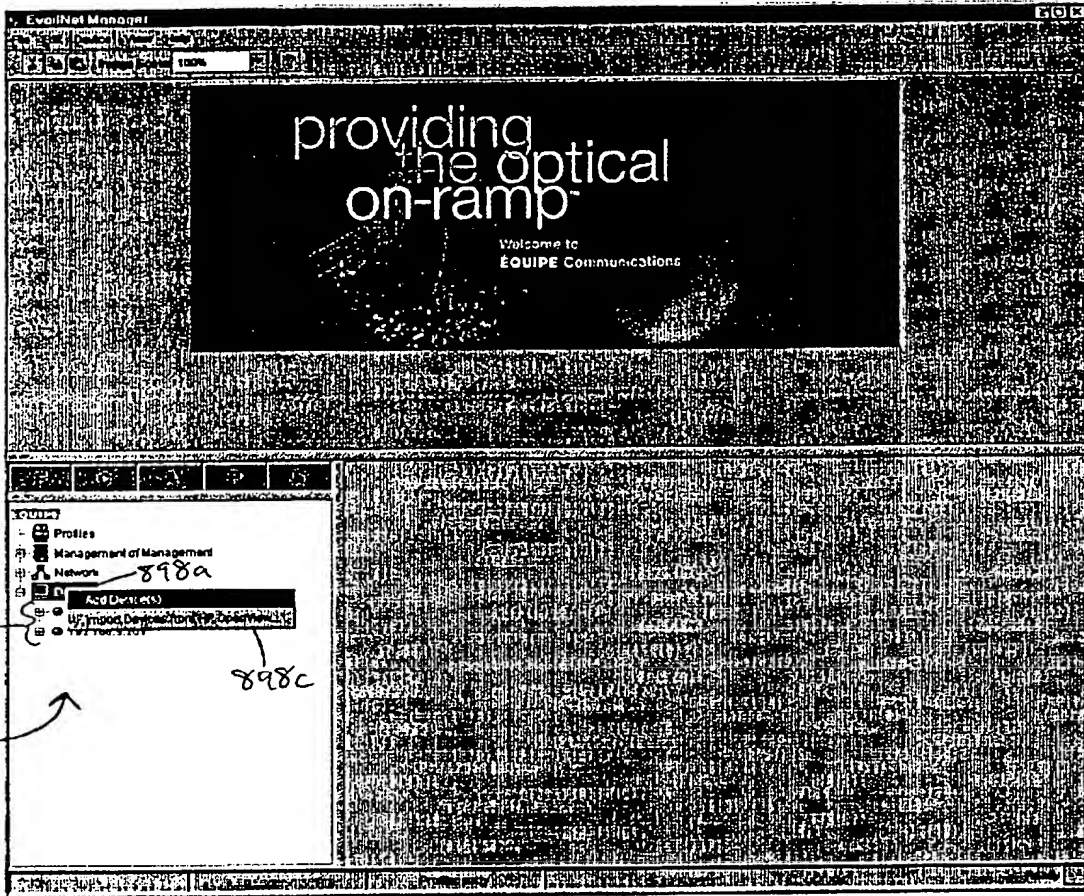


Fig. 4b

Fig. 4c

The screenshot shows a dialog box titled "AddDeleteDeviceDlg". It contains a text input field with the IP address "192.168.9.203". Below the input field is a checked checkbox labeled "Managed device (on-line mode)". There is a "OK" button to the right of the checkbox. Below these elements is a section titled "Device List" containing a list box labeled "On-Line Device". The list box is currently empty. At the bottom of the dialog are three buttons: "OK", "Cancel", and "Delete".

898d

Fig. 4d

The screenshot shows the same "AddDeleteDeviceDlg" dialog box as in Fig. 4c, but with the "On-Line Device" list box populated. The list box contains one entry: a checked checkbox followed by the IP address "192.168.9.203". The "OK", "Cancel", and "Delete" buttons remain at the bottom.

898d

898g

898j

898i

898h

895

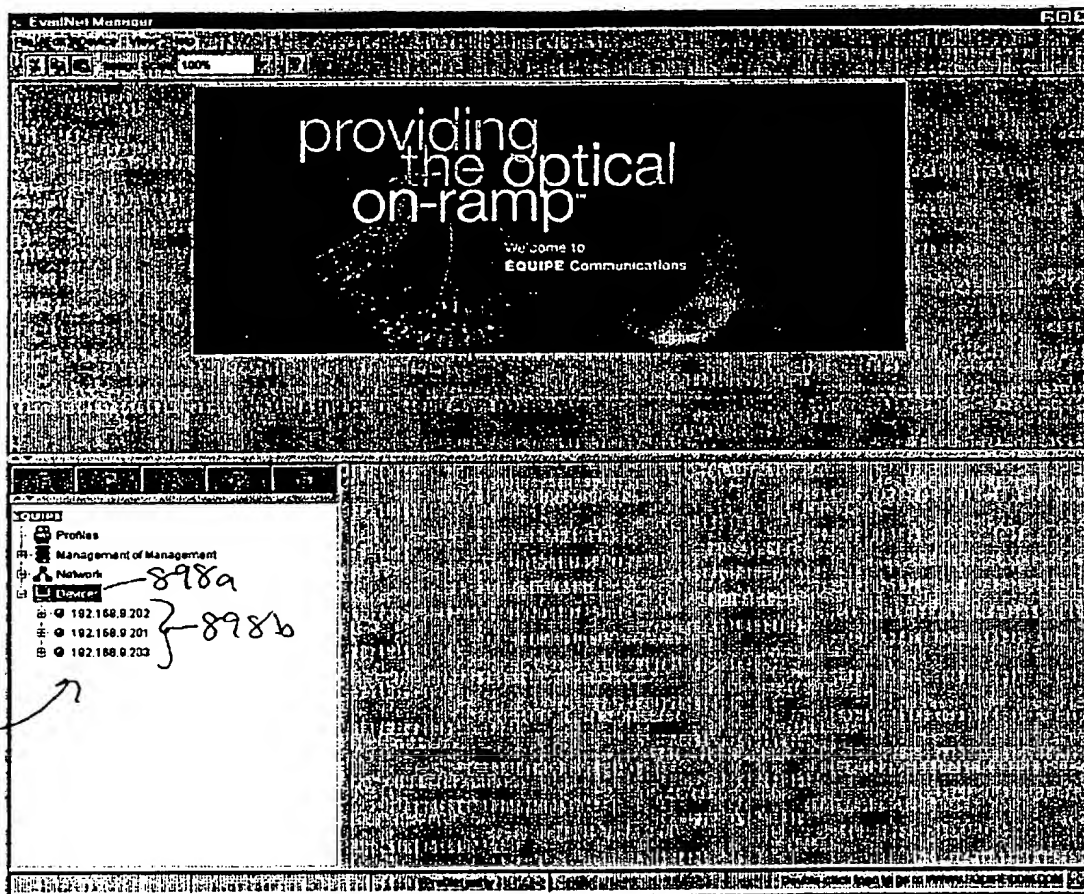


Fig. 4e

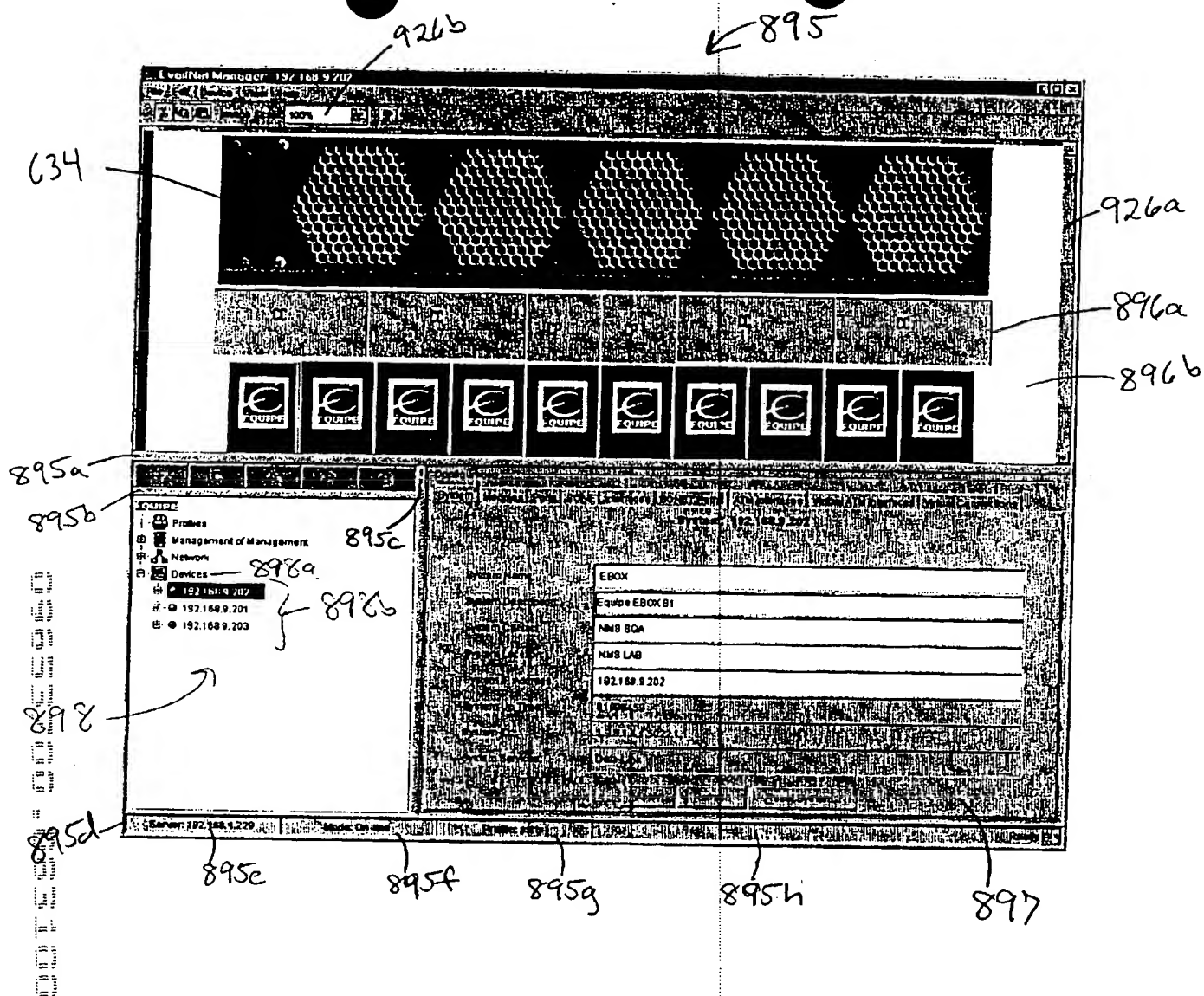


Fig. 4f

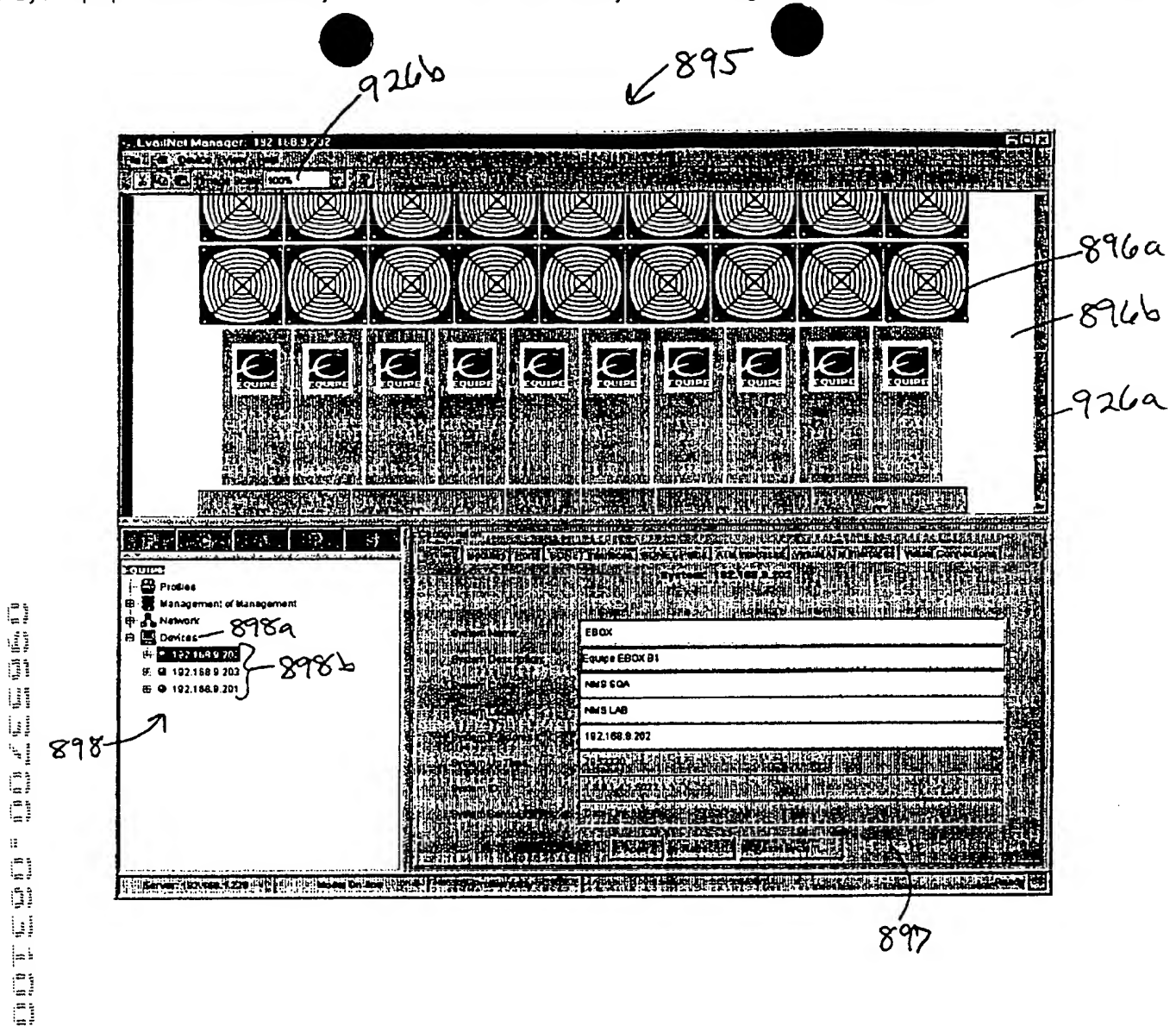


Fig. 4g

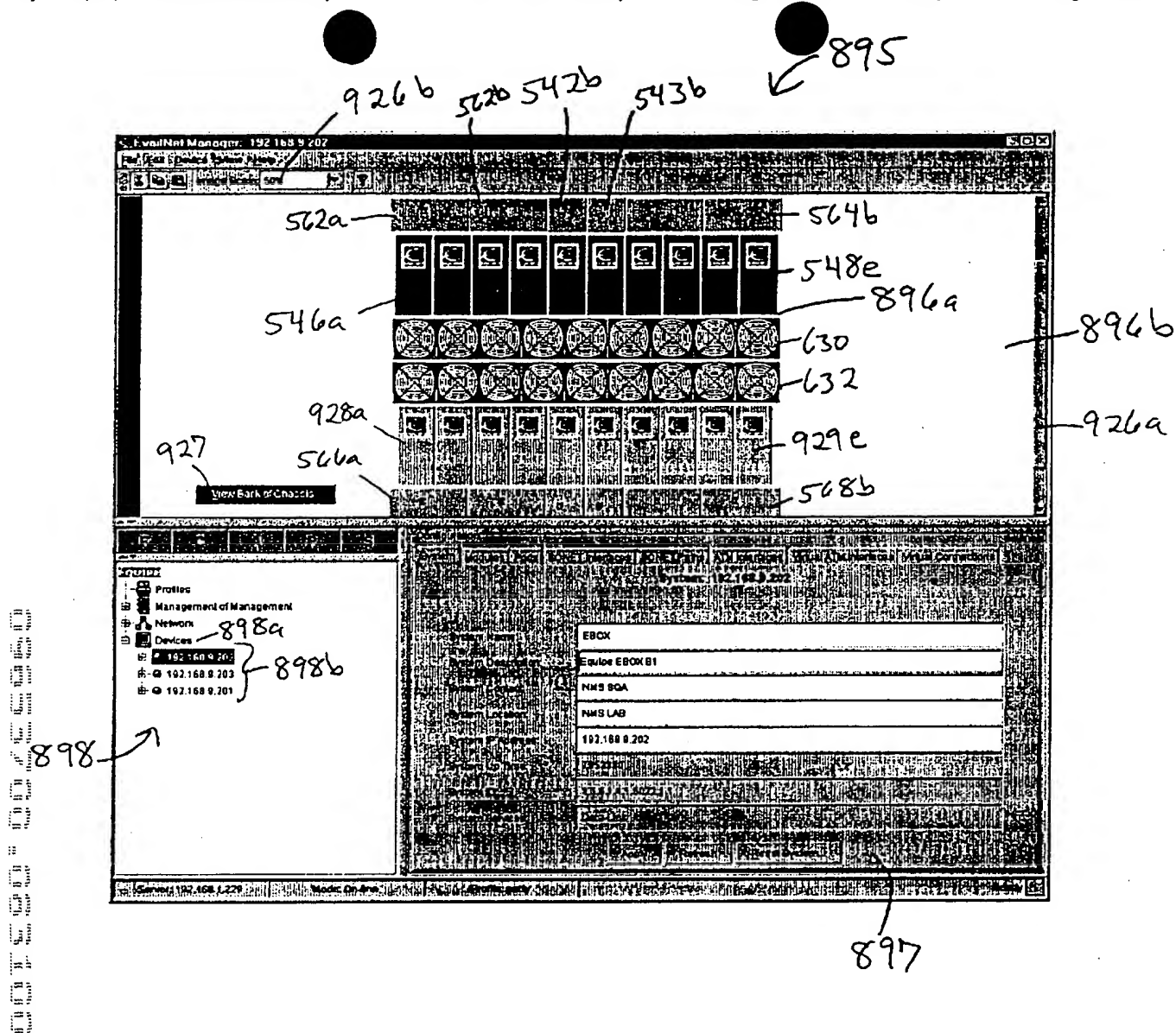


Fig. 4h

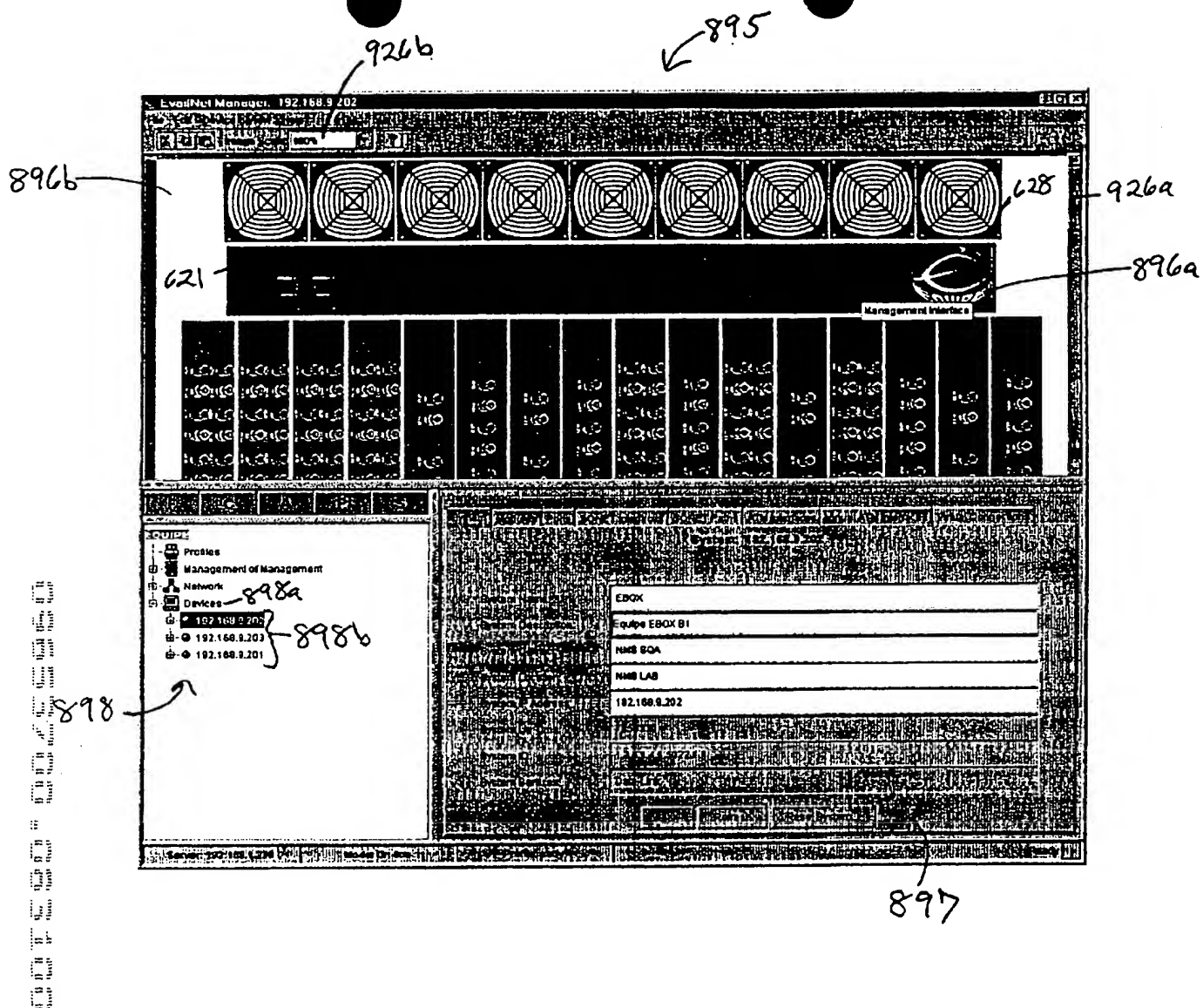
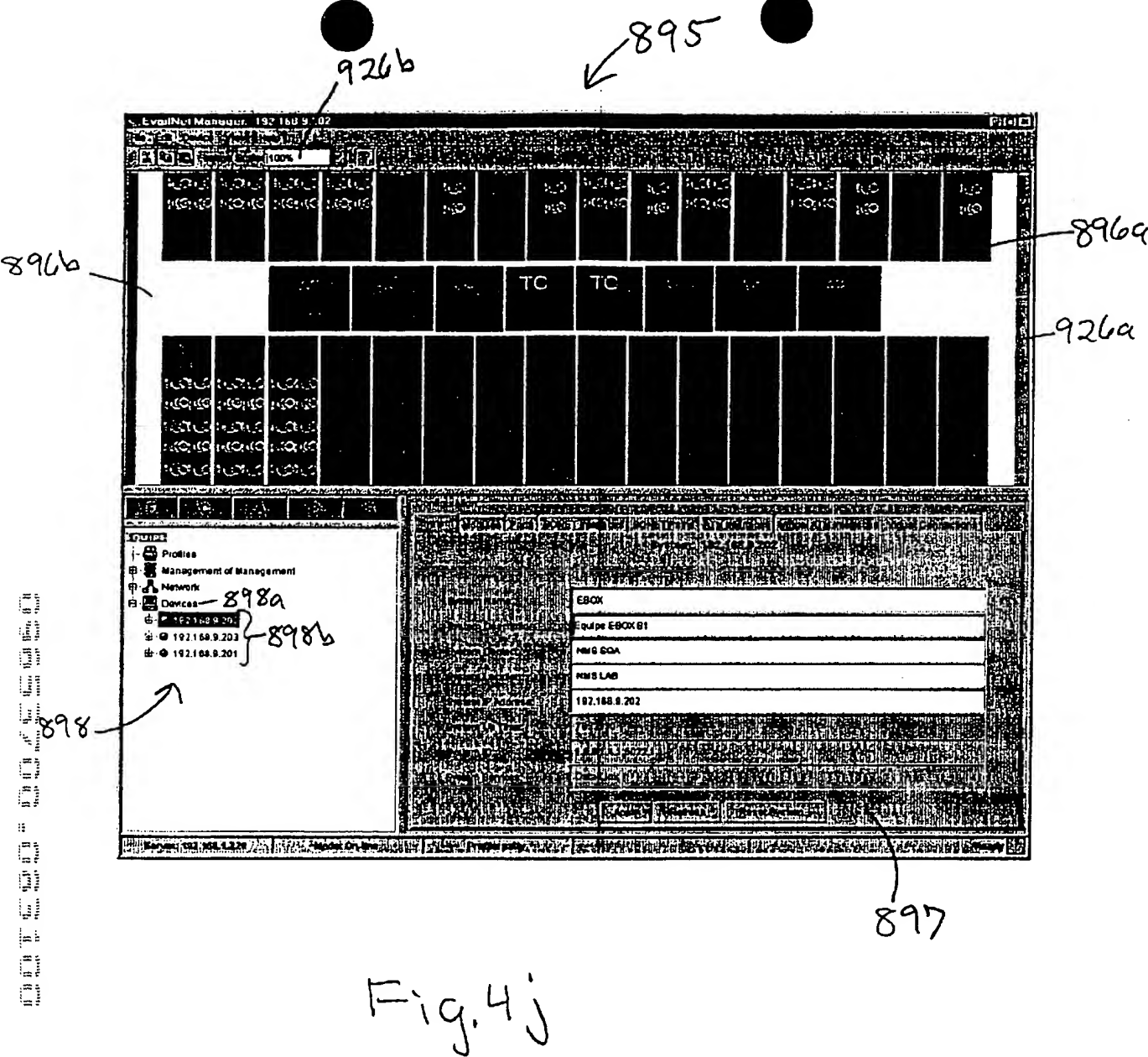


Fig. 4i



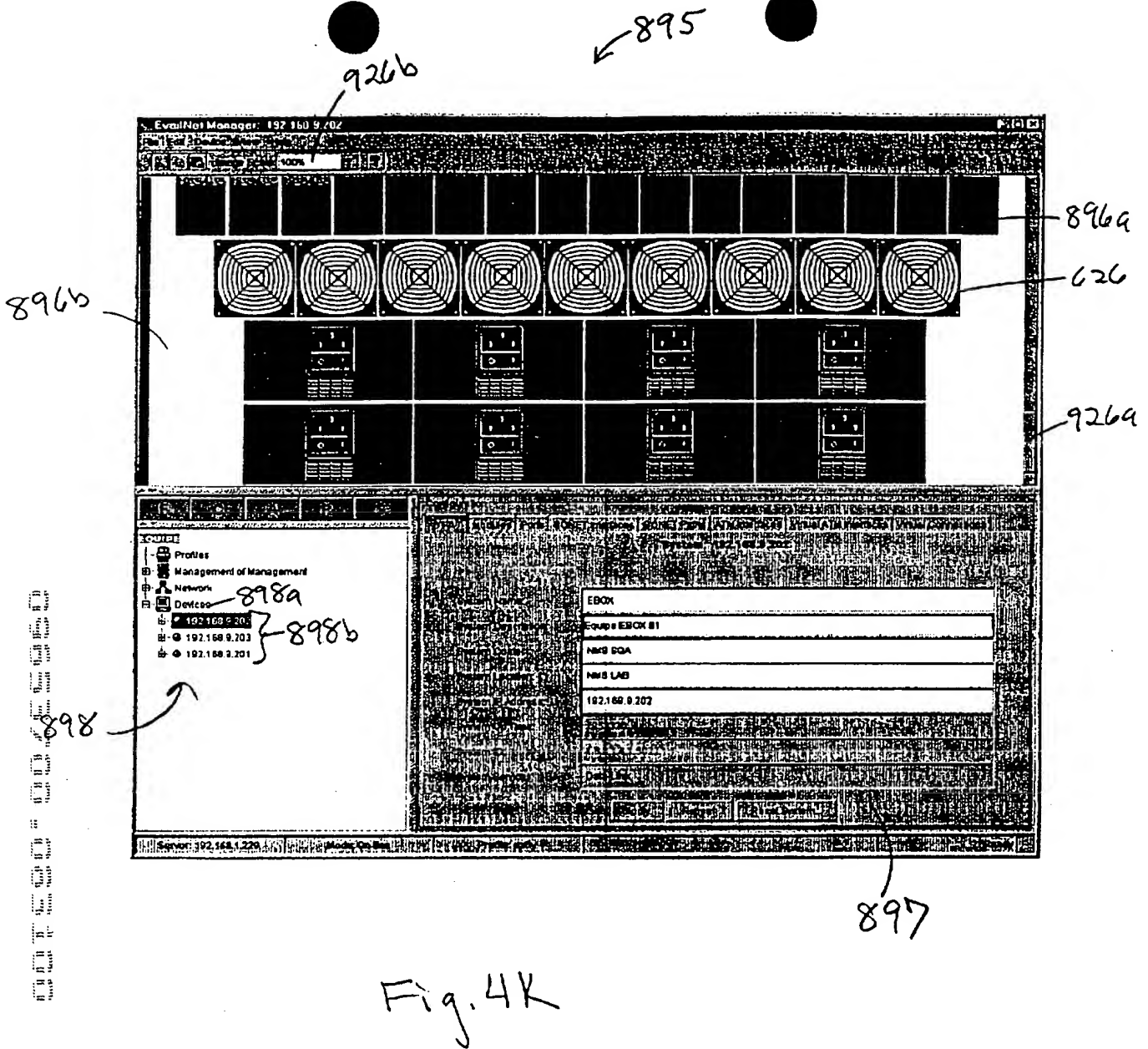


Fig. 4K

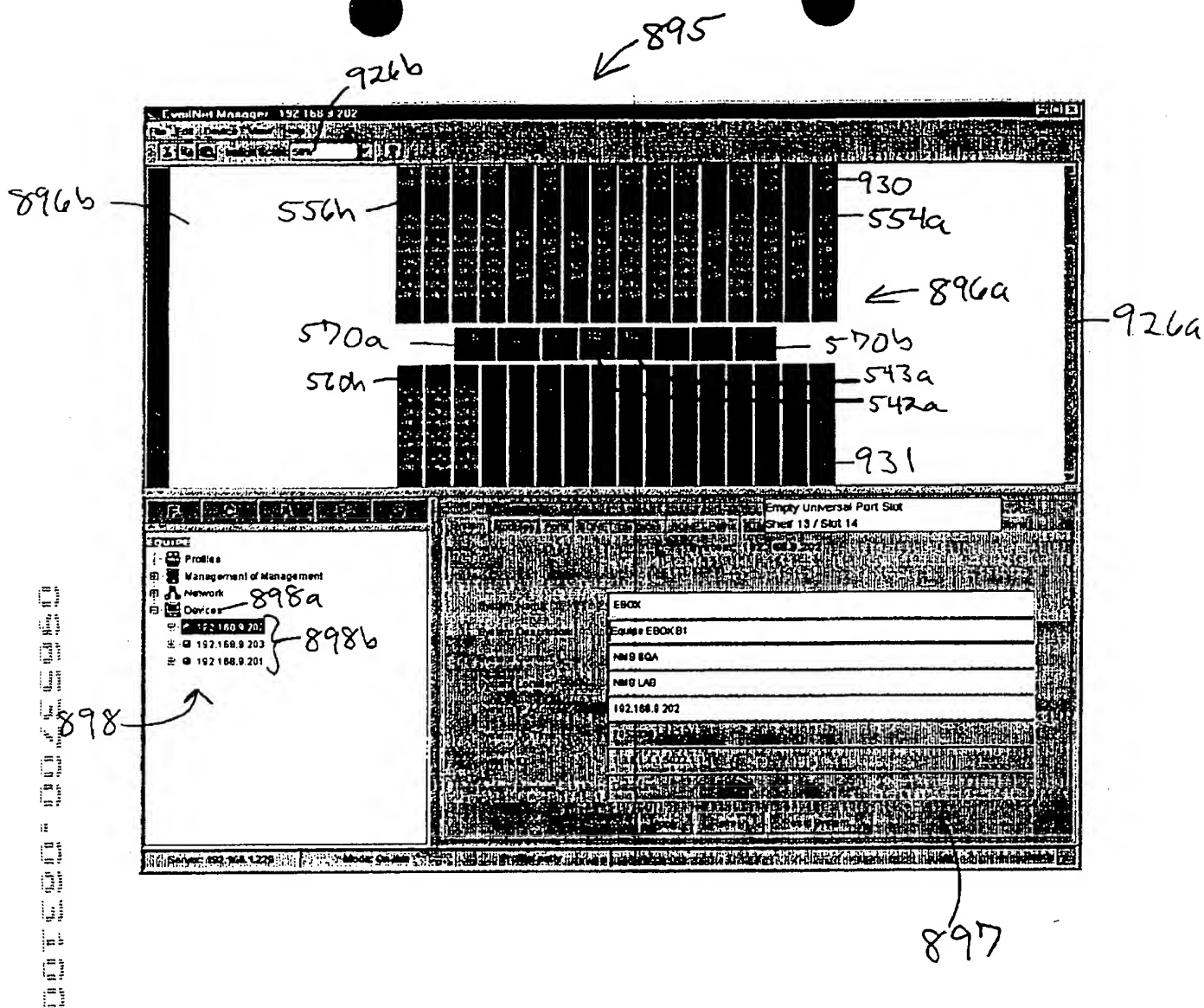


Fig. 4L

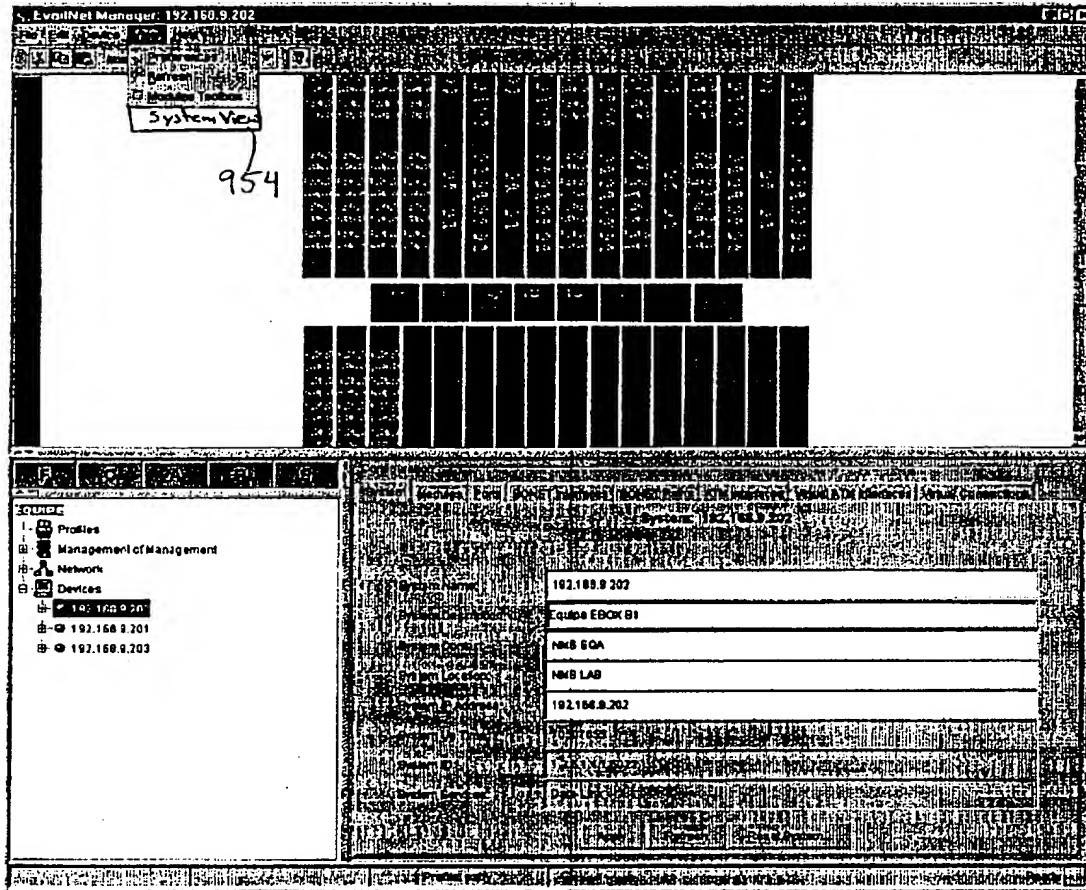
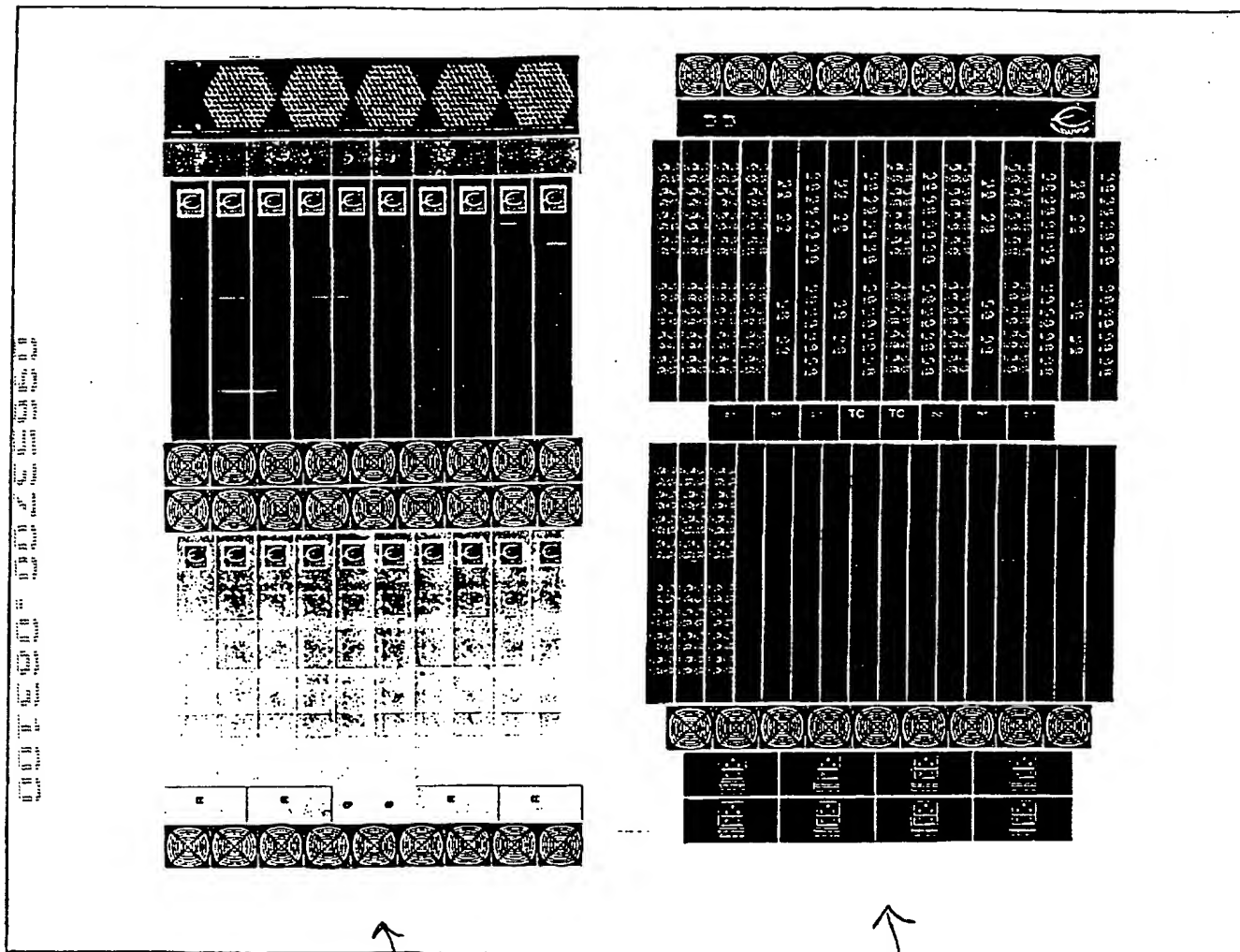


Fig. 4m

955



955a

955b

Fig. 4n

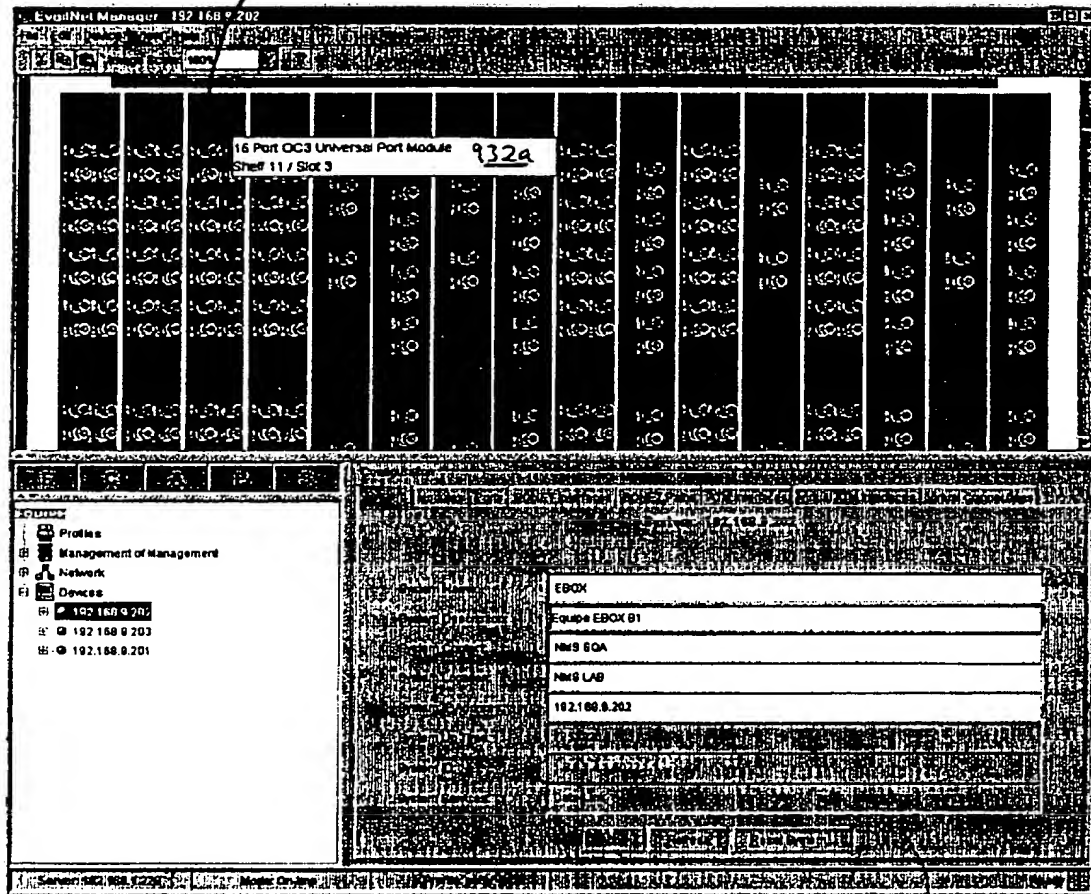


Fig.40

897

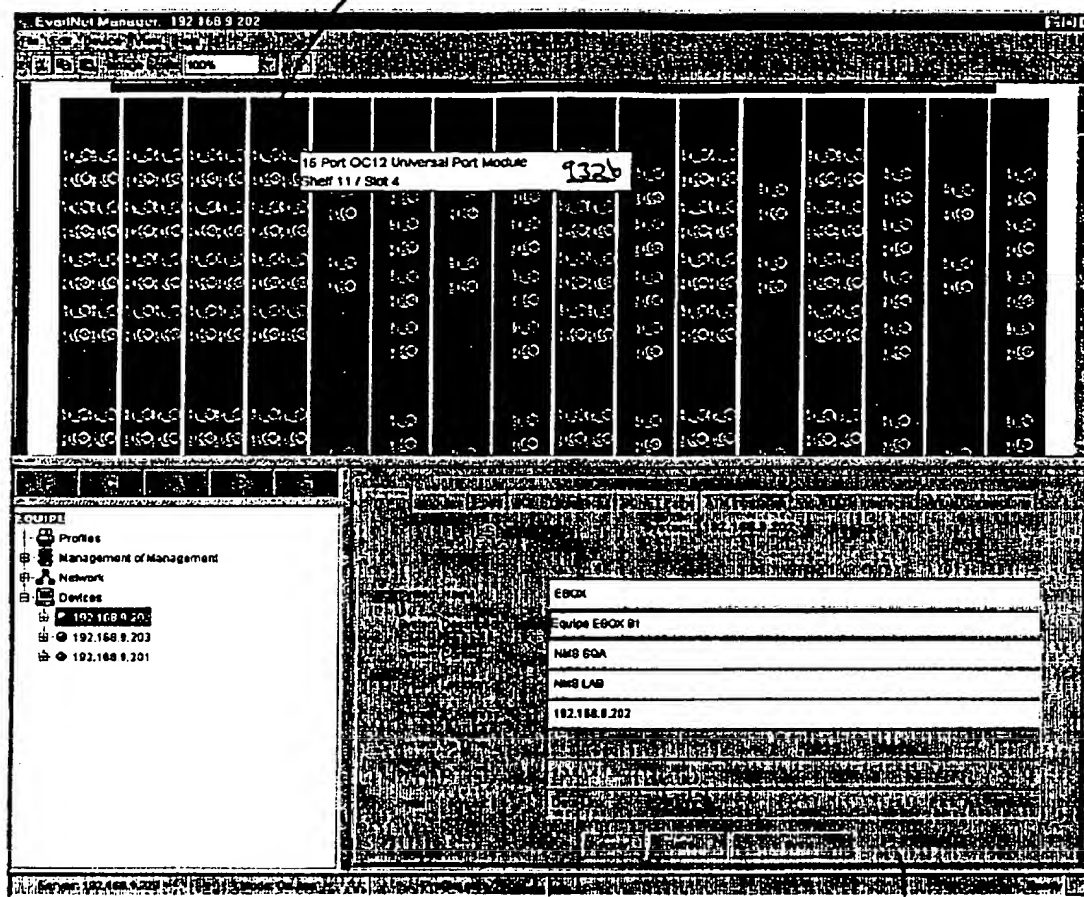


Fig. 4p

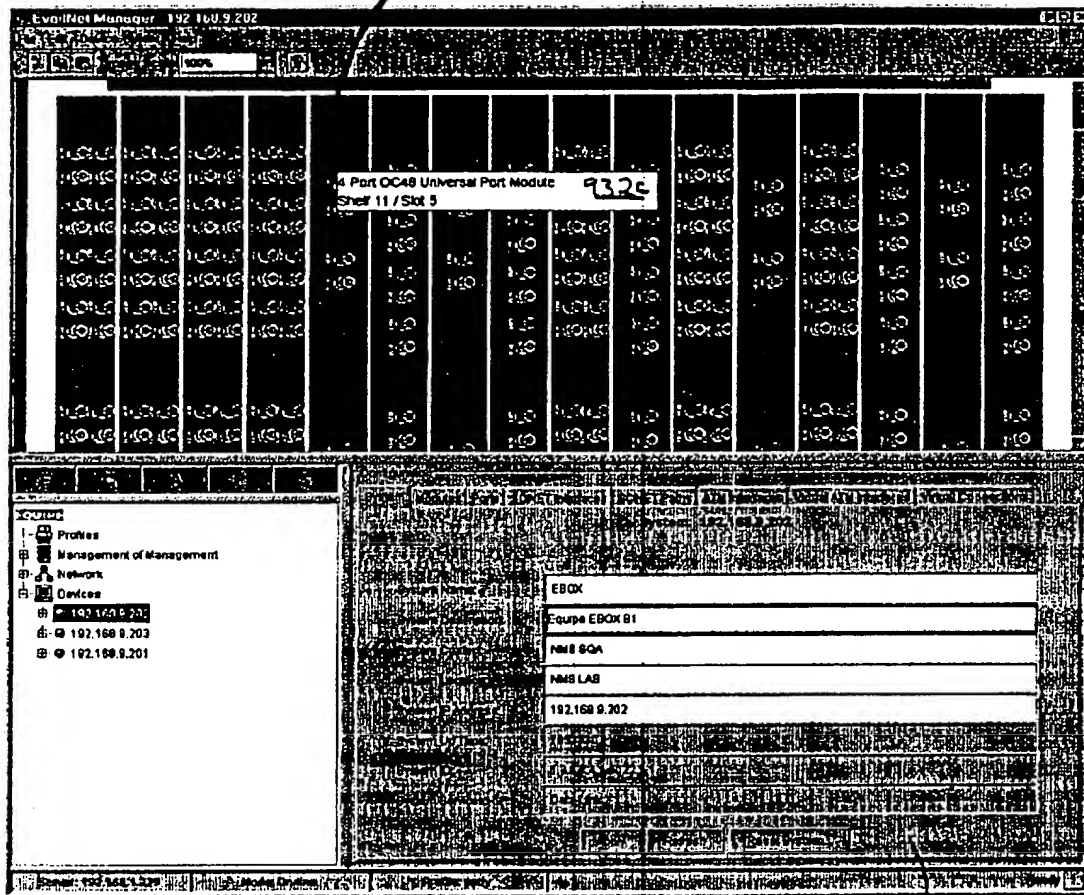


Fig. 4g

897

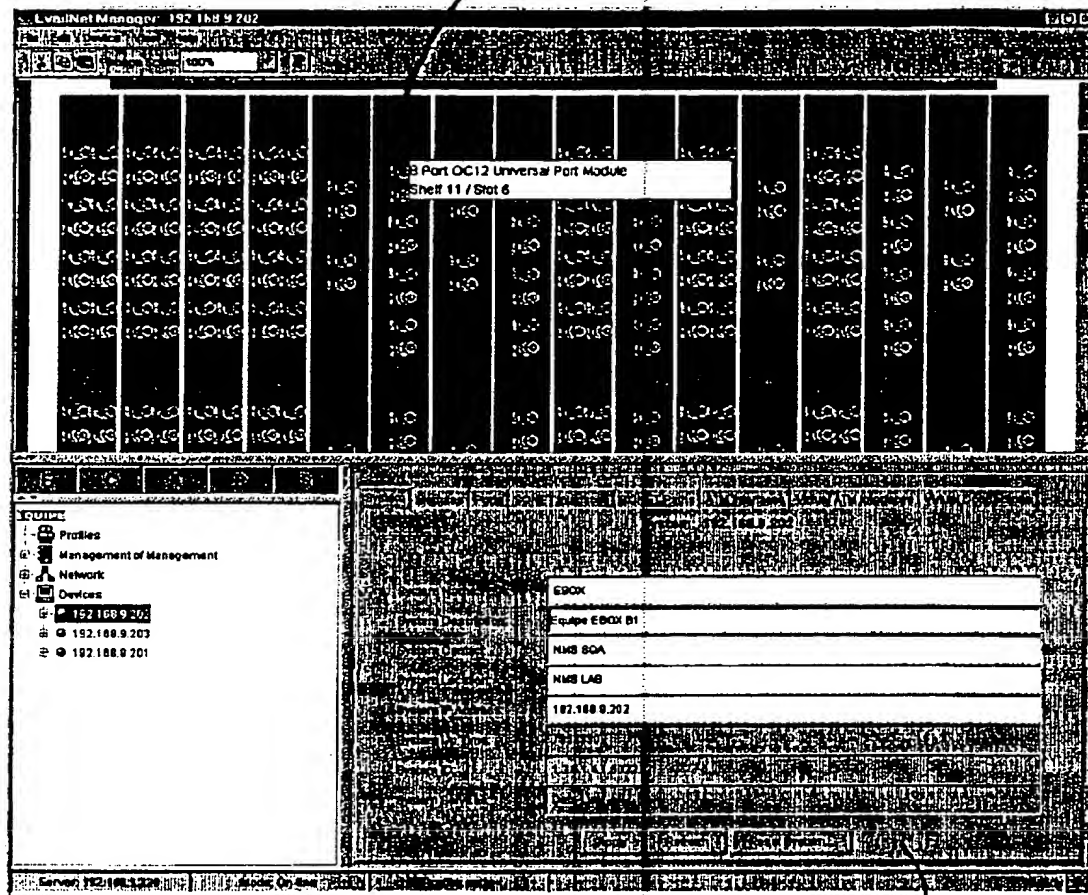


Fig. 4r

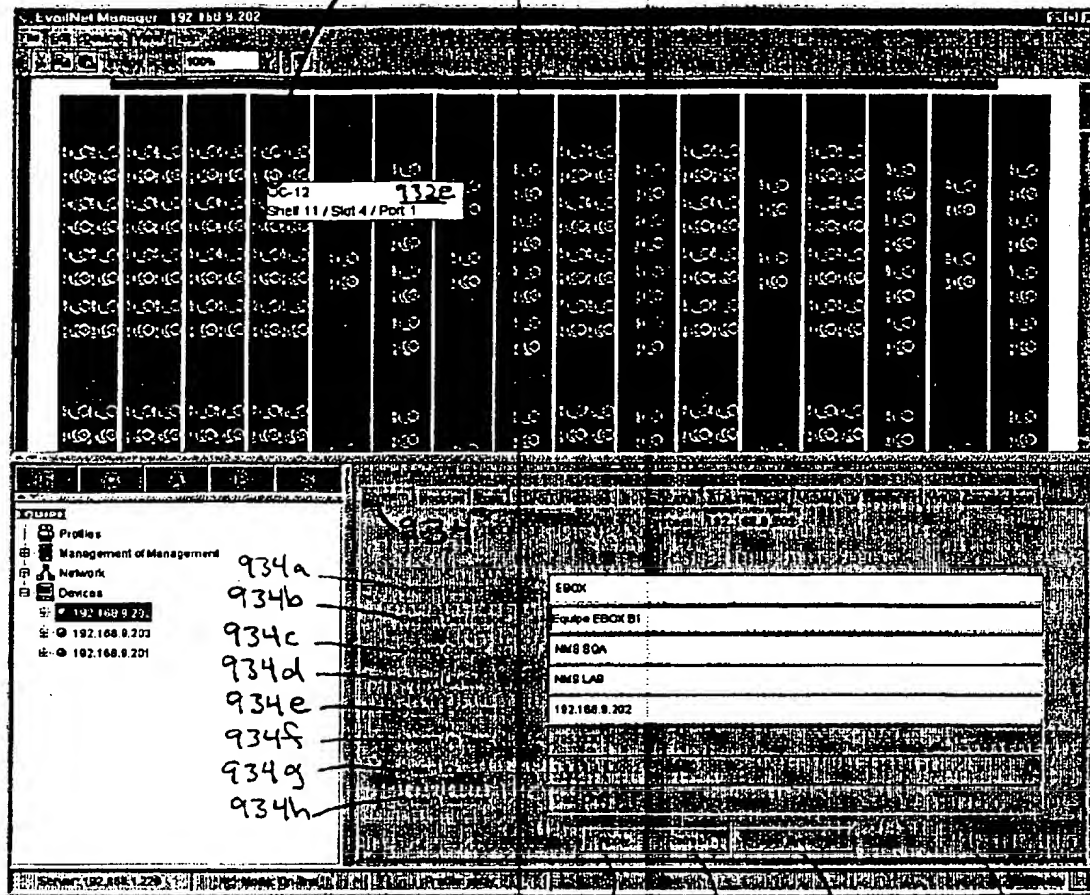
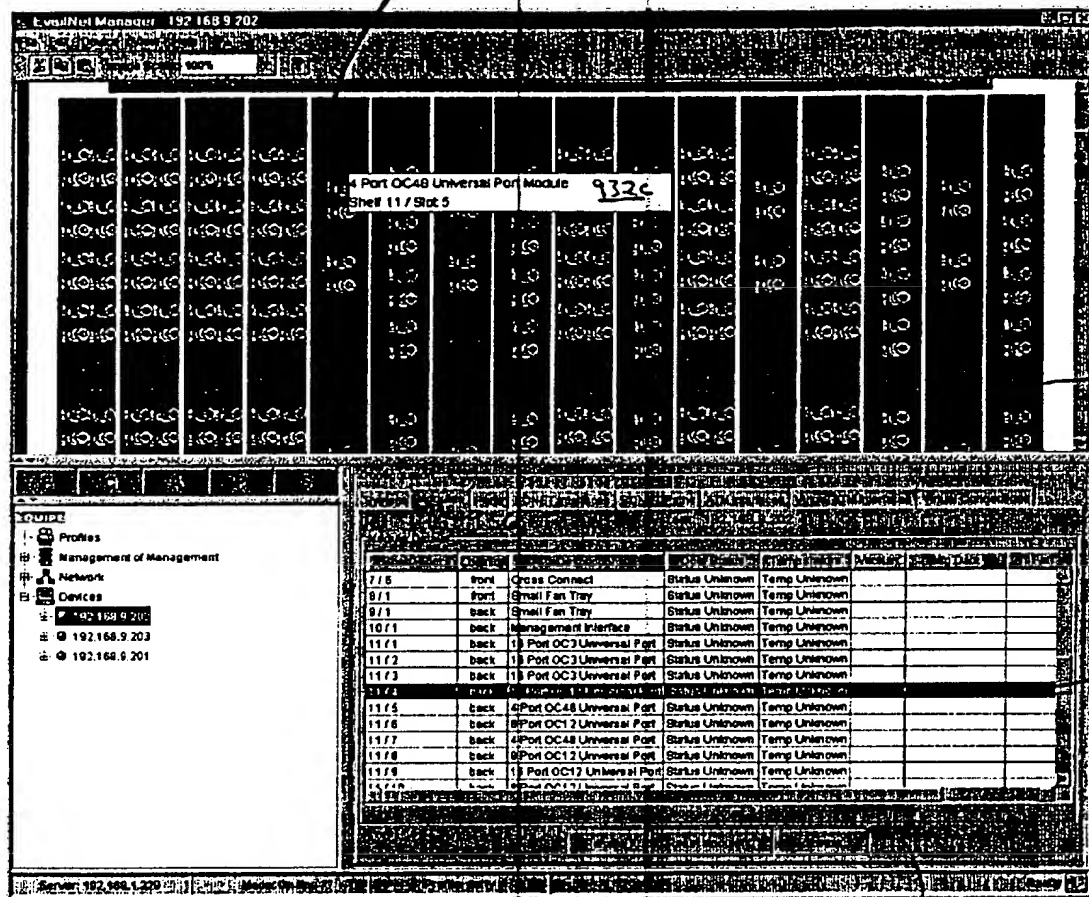
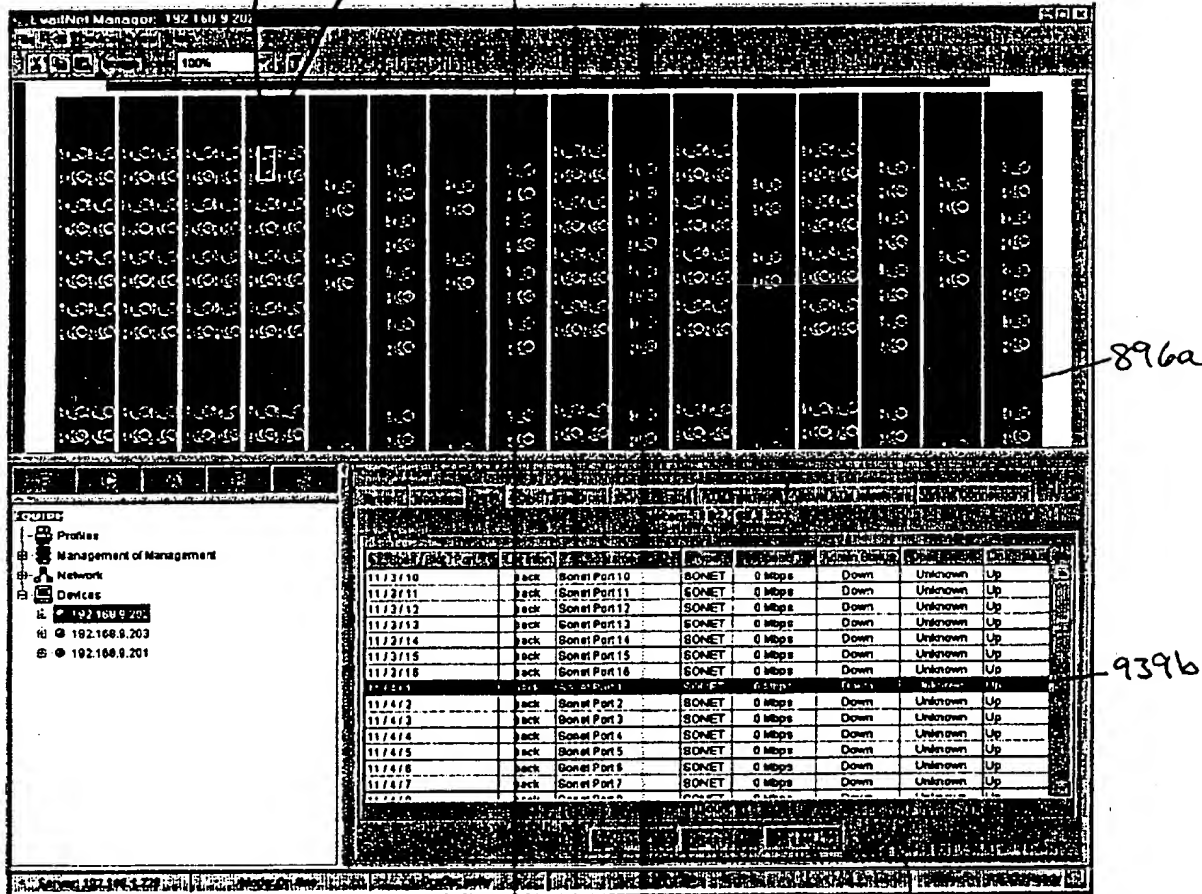
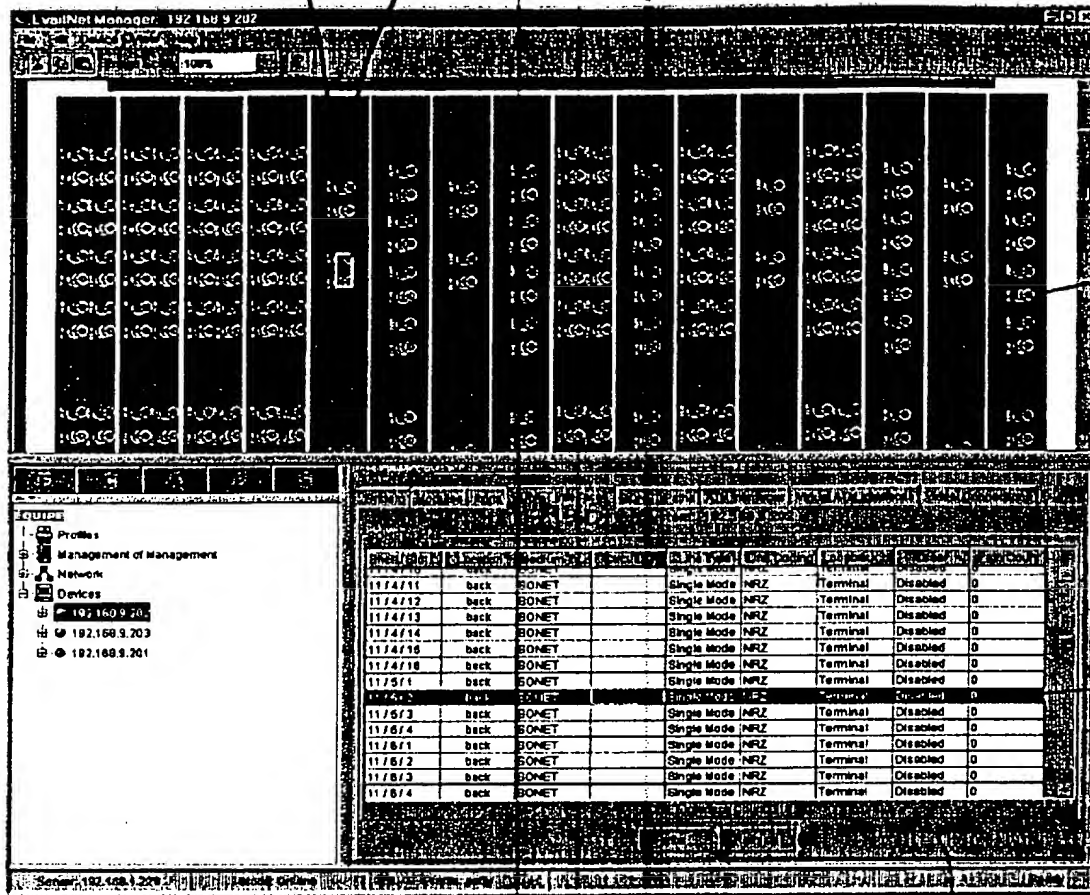


Fig. 4s







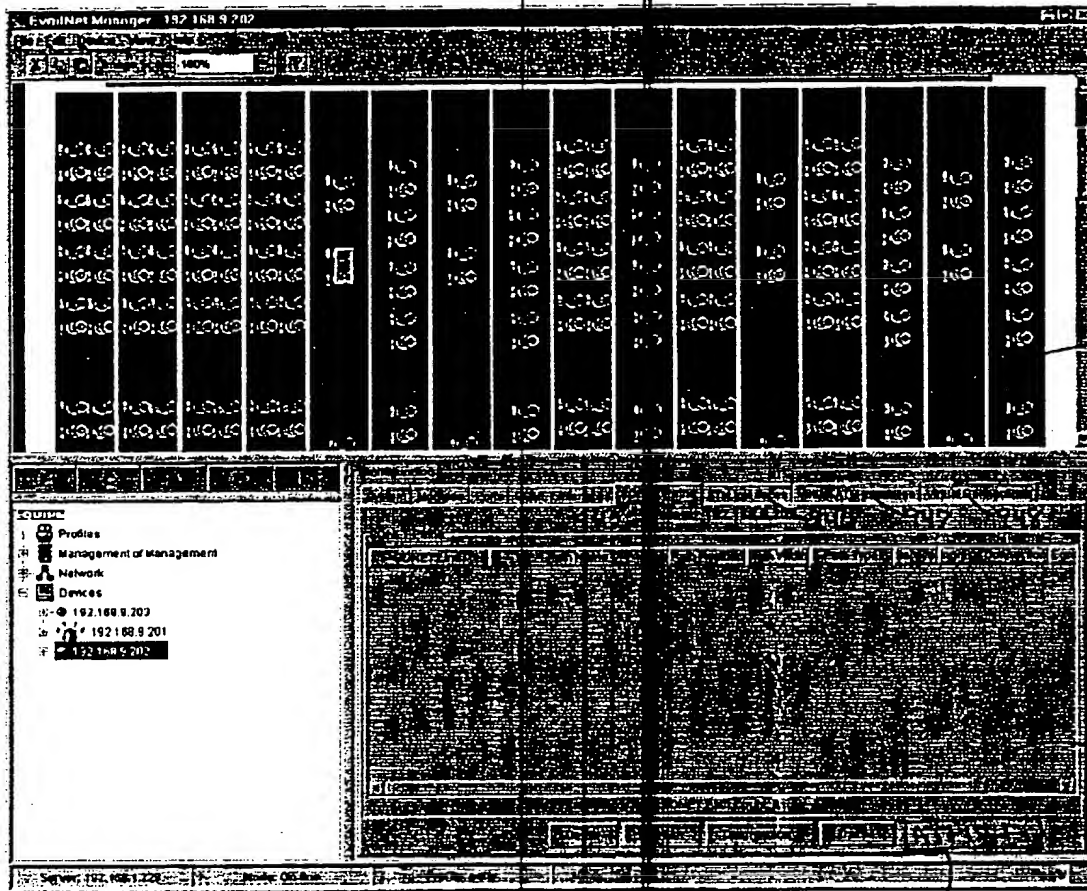


Fig. 4w

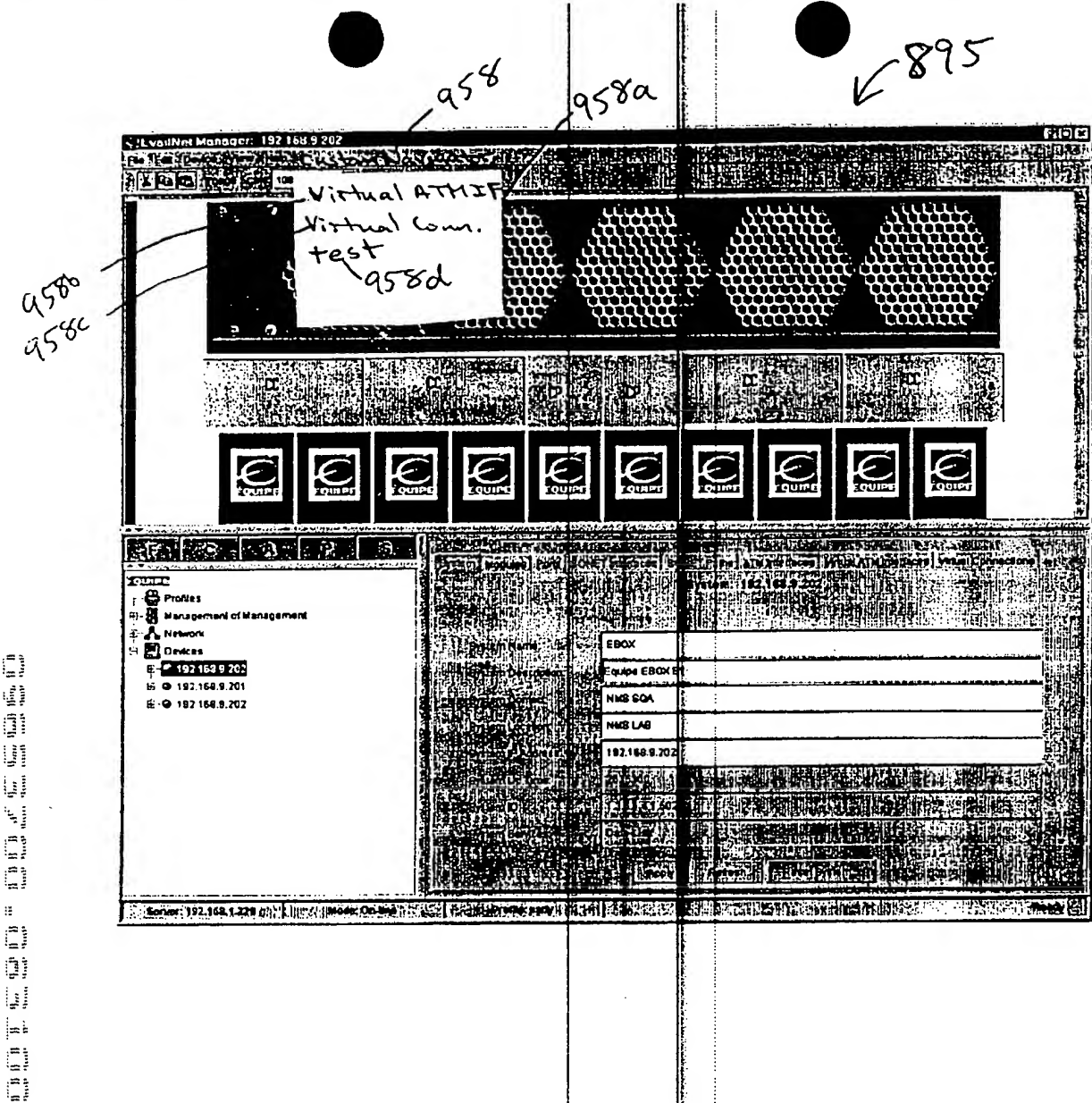


Fig. 4x

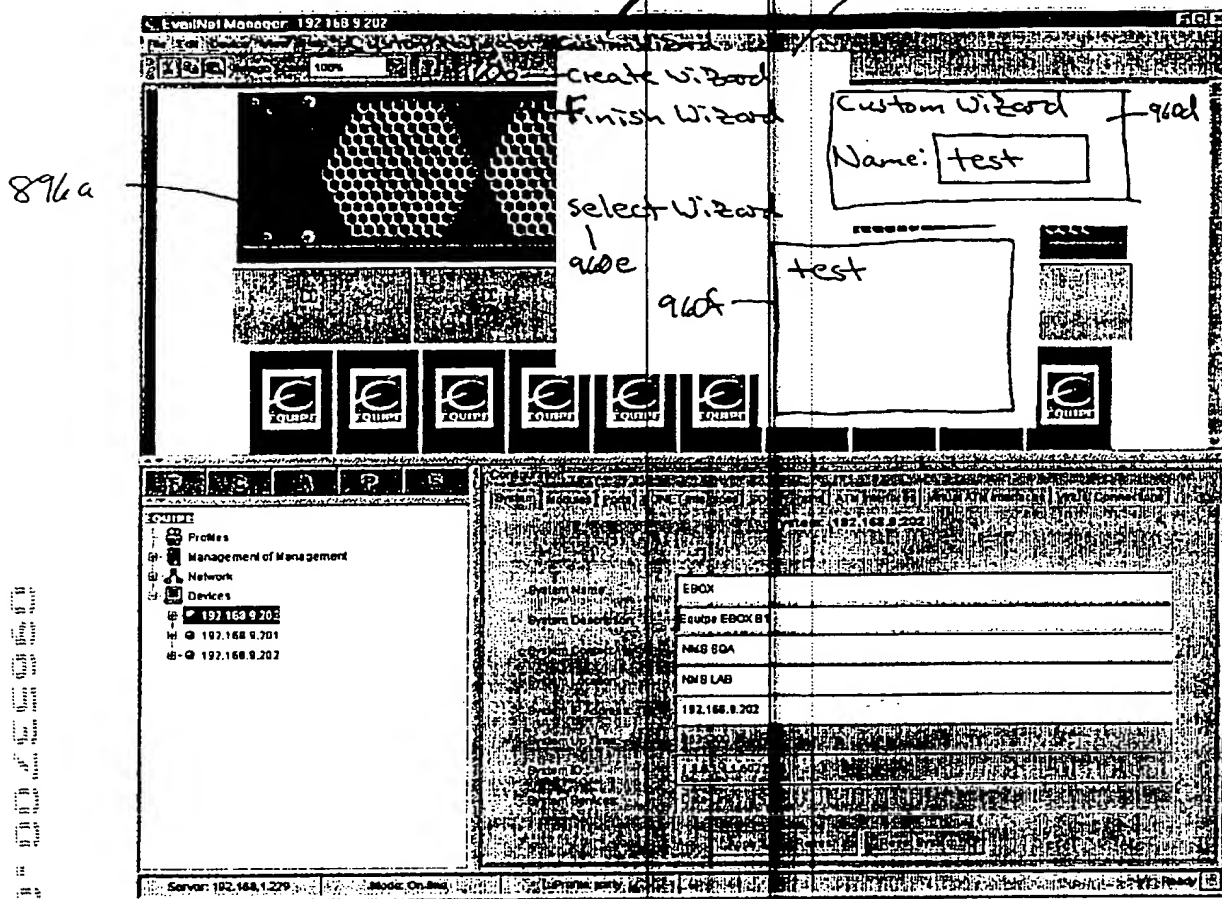


Fig. 4y

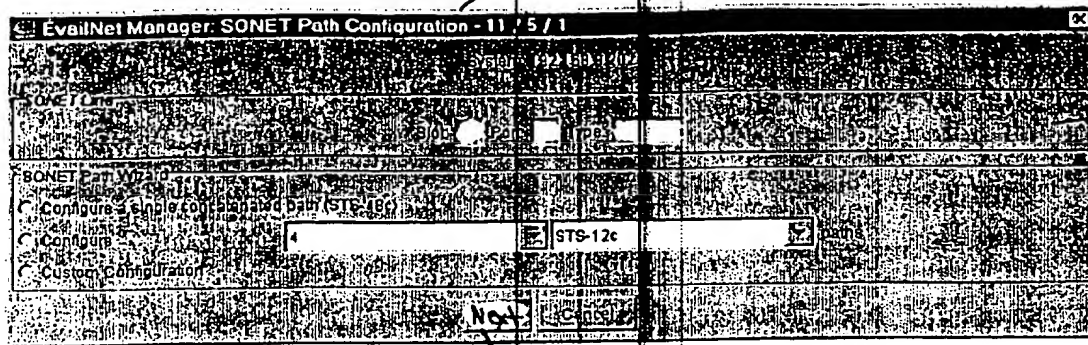


Fig. 42

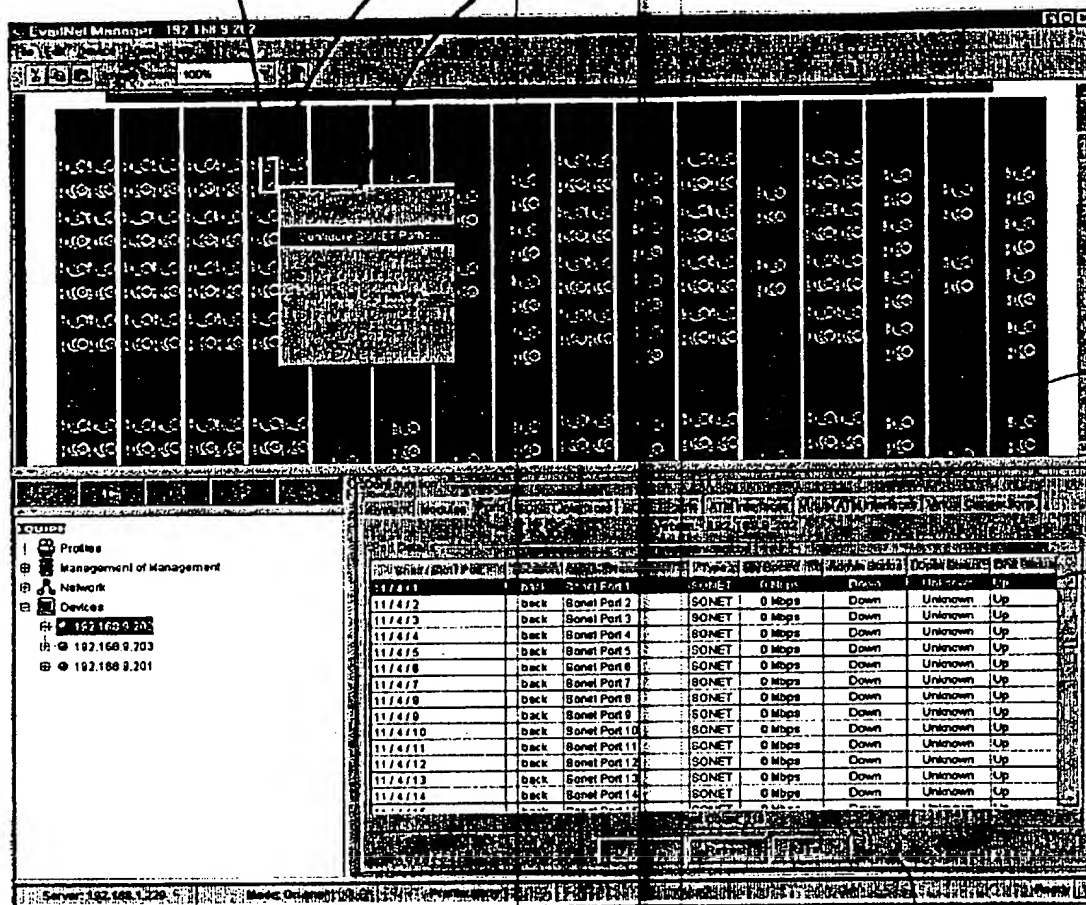
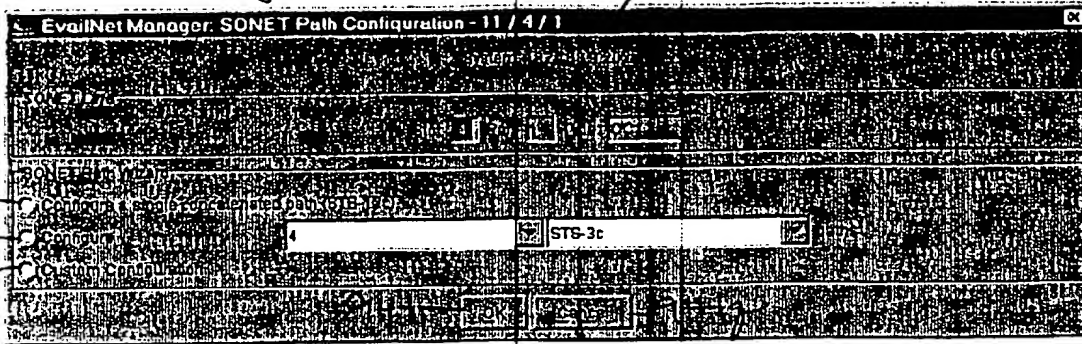


Fig. 5b

944

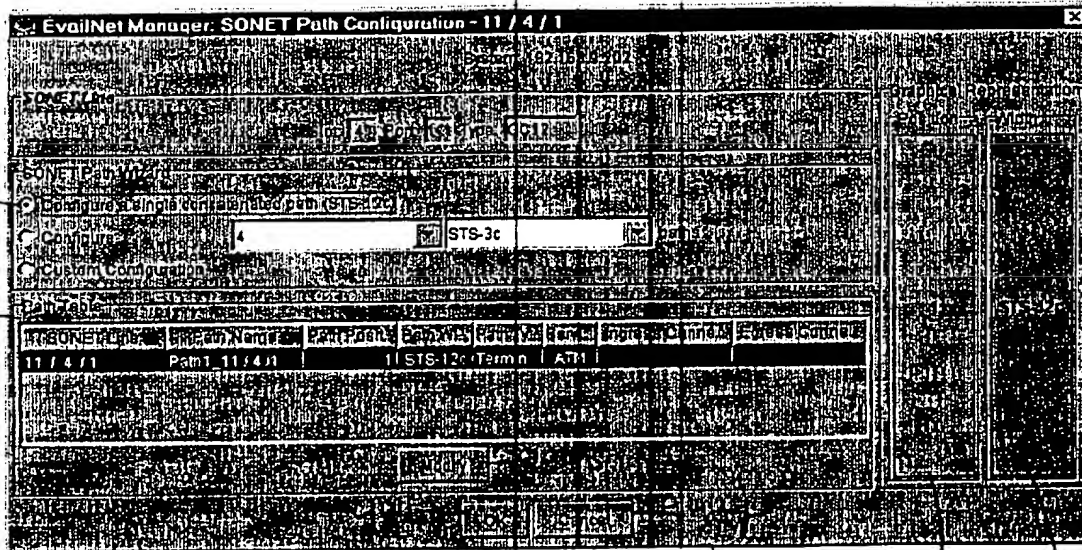
944b
944c
944d

944a



944b

944g



944

944e

944f

Fig. 5c

Fig. 5d

944

944a

944c

944g

EvailNet Manager: SONEt Path Configuration - 11 / 4 / 1

SONET Path Configuration

Configure a single terminated path (V5.1.2.1)

Configure

Path Table

SONET Line	Path Name	Path Position	Path Type	Path Status	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-3c	Terminated	ATM	
11 / 4 / 1	Path2_11 /	4	STS-3c	Terminated	ATM	
11 / 4 / 1	Path3_11 /	7	STS-3c	Terminated	ATM	
11 / 4 / 1	Path4_11 /	10	STS-3c	Terminated	ATM	

944f

944e

944a

944c

944g

EvailNet Manager: SONEt Path Configuration - 11 / 4 / 1

SONET Path Configuration

Configure a single terminated path (V5.1.2.1)

Configure

Path Table

SONET Line	Path Name	Path Position	Path Type	Path Status	Path Type	Path Type
11 / 4 / 1	Path1_11 /	1	STS-12c	Terminated	ATM	

944

944e

944f

Fig. 5e

Fig 5f

944

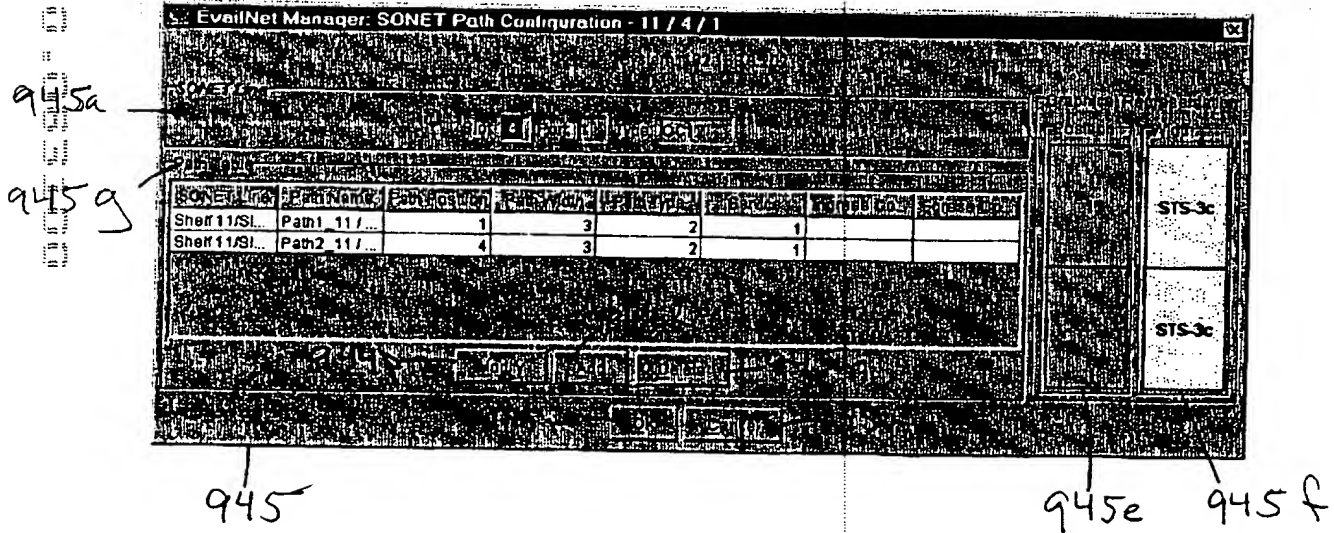
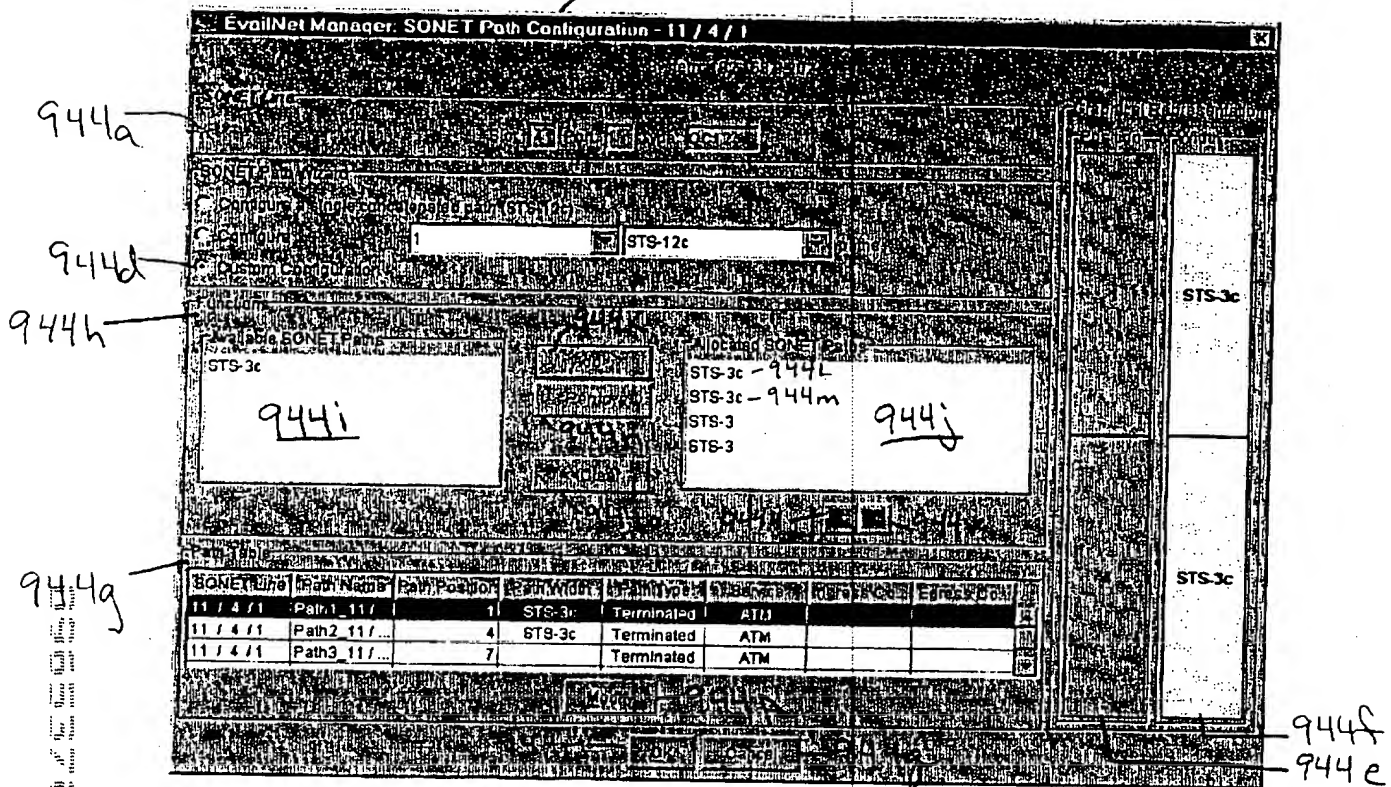


Fig. 5g

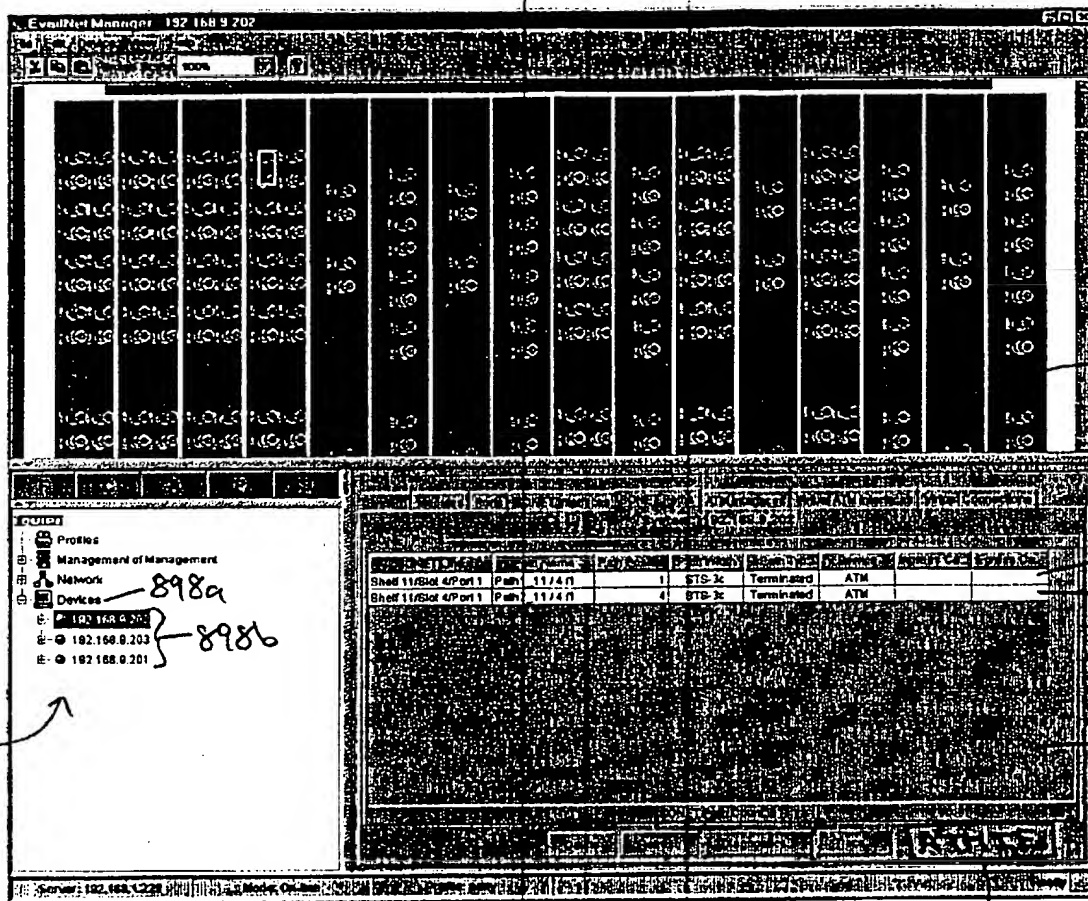
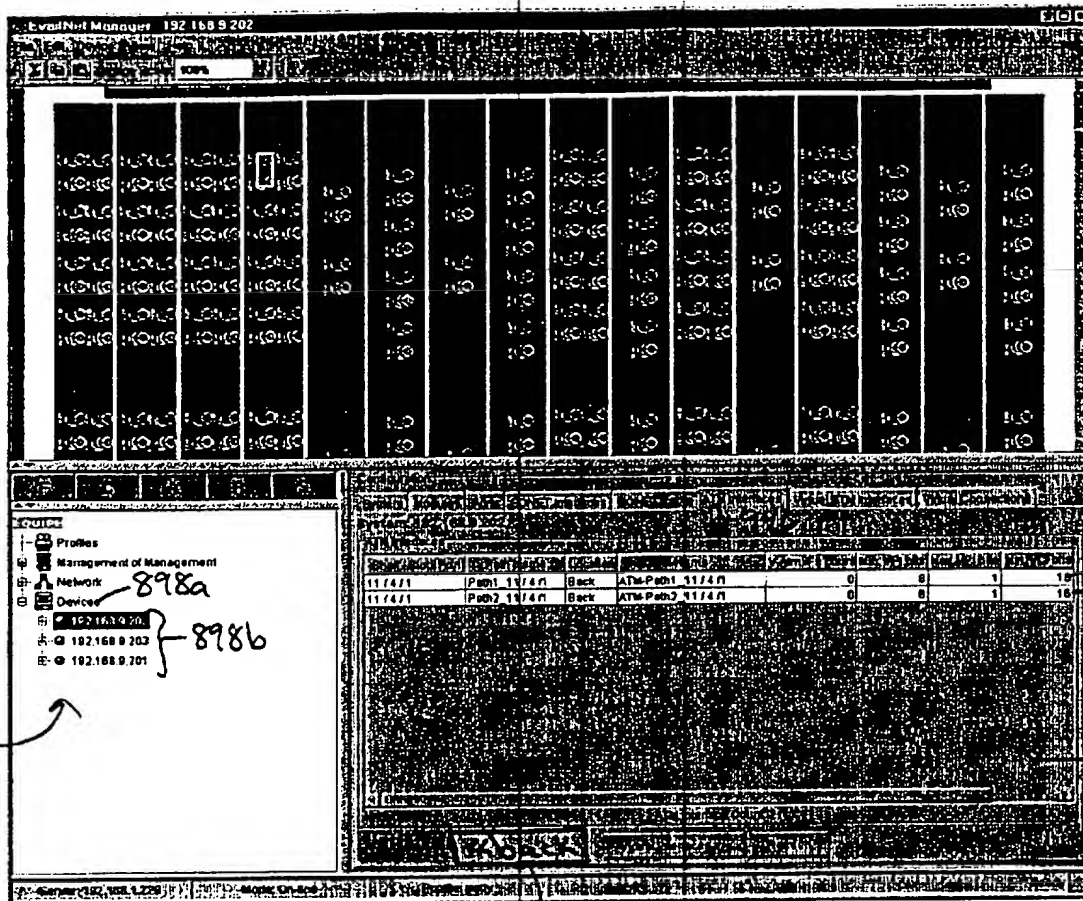


Fig. 5h

895



946a
946b

897

946h

Fig. 5i

Fig. 5j

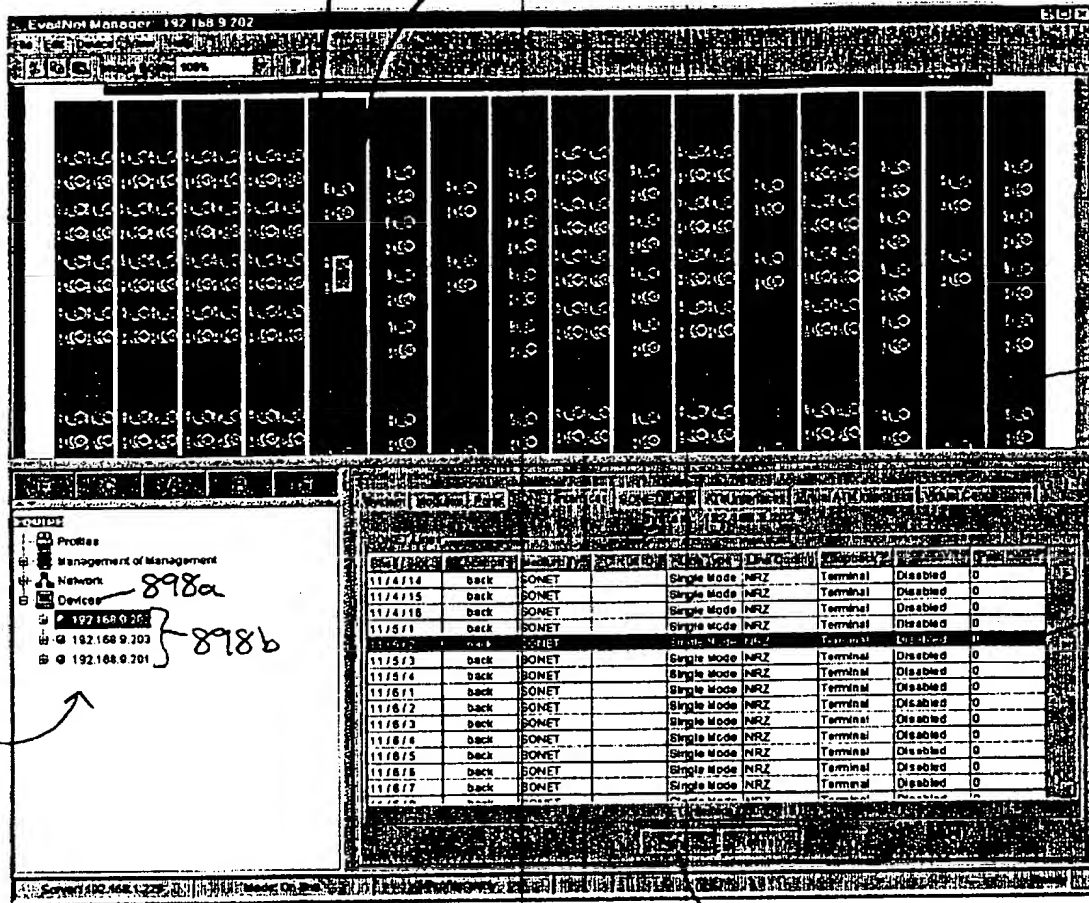


Fig. 5K

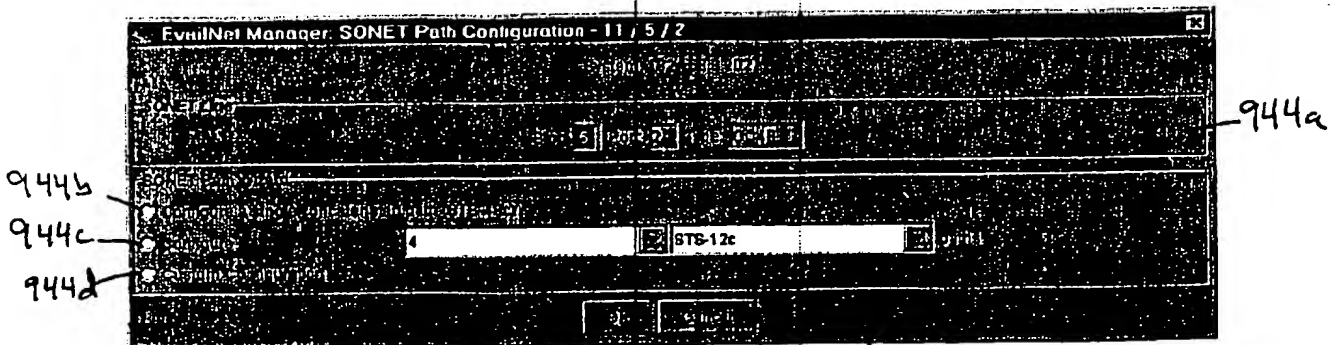


Fig. 5L

944

944a

944b

944c

944d

944g

EvailNet Manager: SONE Path Configuration - 11/5/2

SONE Path 11/5/2

Configure a single terminated path (STS-48c)

1 STS-12c

SONE ID	Path Name	Path ID	Path Type	Path Status	Path Type	Path Status	Path Type	Path Status
11/5/2	Path1_11/5/2	1	STS-48c	Terminated	ATM			

944f 944e

944a

944b

944c

944d

944g

EvailNet Manager: SONE Path Configuration - 11/5/2

SONE Path 11/5/2

Configure a single terminated path (STS-48c)

1 STS-12c

SONE ID	Path Name	Path ID	Path Type	Path Status	Path Type	Path Status	Path Type	Path Status
11/5/2	Path1_11/...	1	STS-12c	Terminated	ATM			
11/5/2	Path2_11/...	13	STS-12c	Terminated	ATM			
11/5/2	Path3_11/...	25	STS-12c	Terminated	ATM			
11/5/2	Path4_11/...	37	STS-12c	Terminated	ATM			

944f 944e

Fig. 5m

944

Fig. 5n

944

944a

944b

944c

944d

944g

EvailNet Manager: SONEt Path Configuration - 11 / 5 / 2

SONET Path Configuration

Path Name: Path1 11/5/2

Path ID: 1

Path Type: STS-48c

Path Length: 16

Path Status: 9445

Path Details:

SONET Line	Path Name	Path ID	Path Type	Path Length	Path Status	Path Details
11 / 5 / 2	Path1 11/5/2	1	STS-48c	16	Terminated	ATM

944f
944e

944a

944b

944c

944d

944g

EvailNet Manager: SONEt Path Configuration - 11 / 5 / 2

SONET Path Configuration

Path Name: Path1 11/5/2

Path ID: 1

Path Type: STS-3c

Path Length: 16

Path Status: 9445

Path Details:

SONET Line	Path Name	Path ID	Path Type	Path Length	Path Status	Path Details
11 / 5 / 2	Path1 11/5/2	1	STS-3c	16	Terminated	ATM
11 / 5 / 2	Path2 11/5/2	4	STS-3c	16	Terminated	ATM
11 / 5 / 2	Path3 11/5/2	7	STS-3c	16	Terminated	ATM
11 / 5 / 2	Path4 11/5/2	10	STS-3c	16	Terminated	ATM
11 / 5 / 2	Path5 11/5/2	13	STS-3c	16	Terminated	ATM
11 / 5 / 2	Path6 11/5/2	16	STS-3c	16	Terminated	ATM
11 / 5 / 2	Path7 11/5/2	19	STS-3c	16	Terminated	ATM

944f
944e

944

Fig. 5o

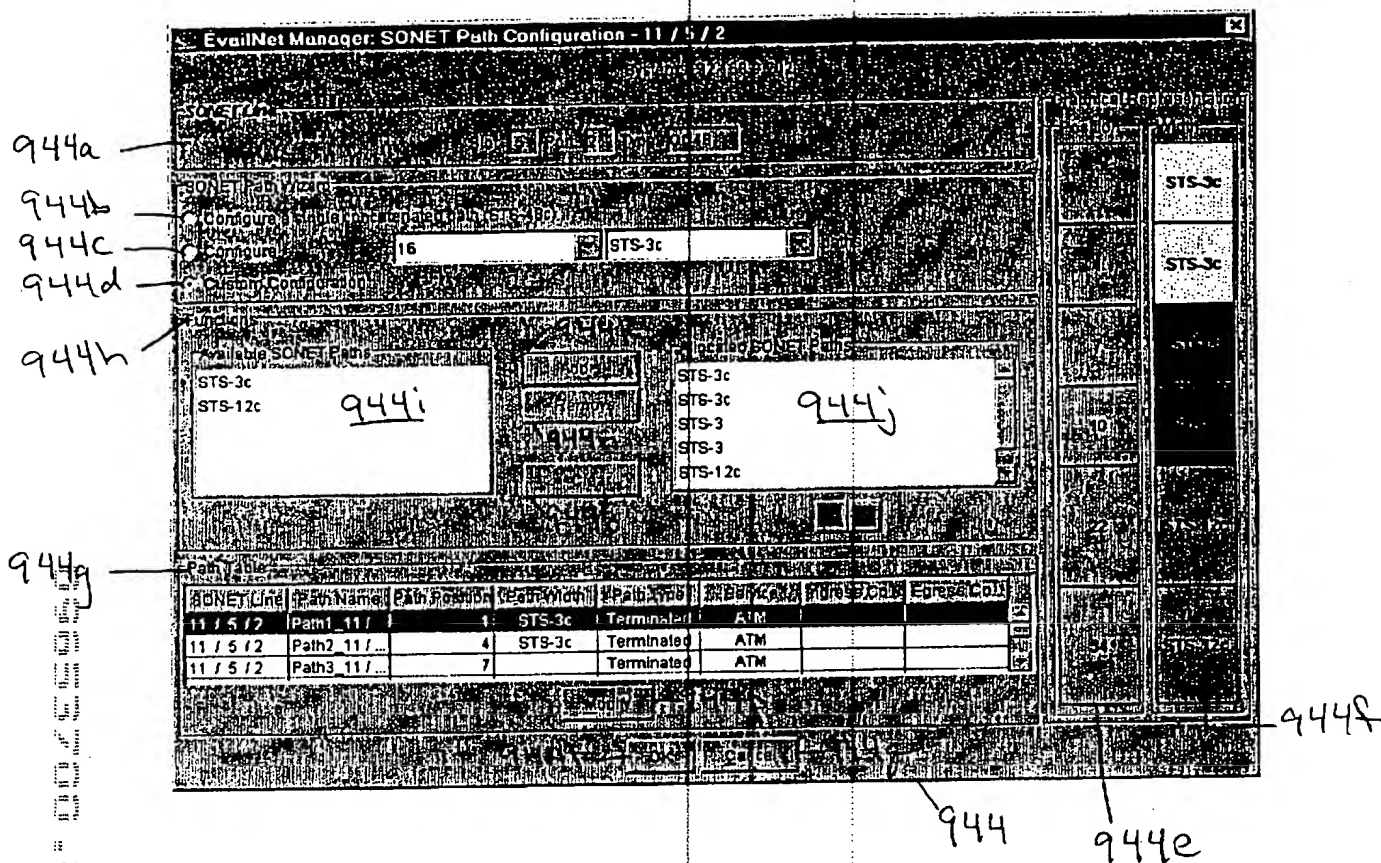


Fig. 5p

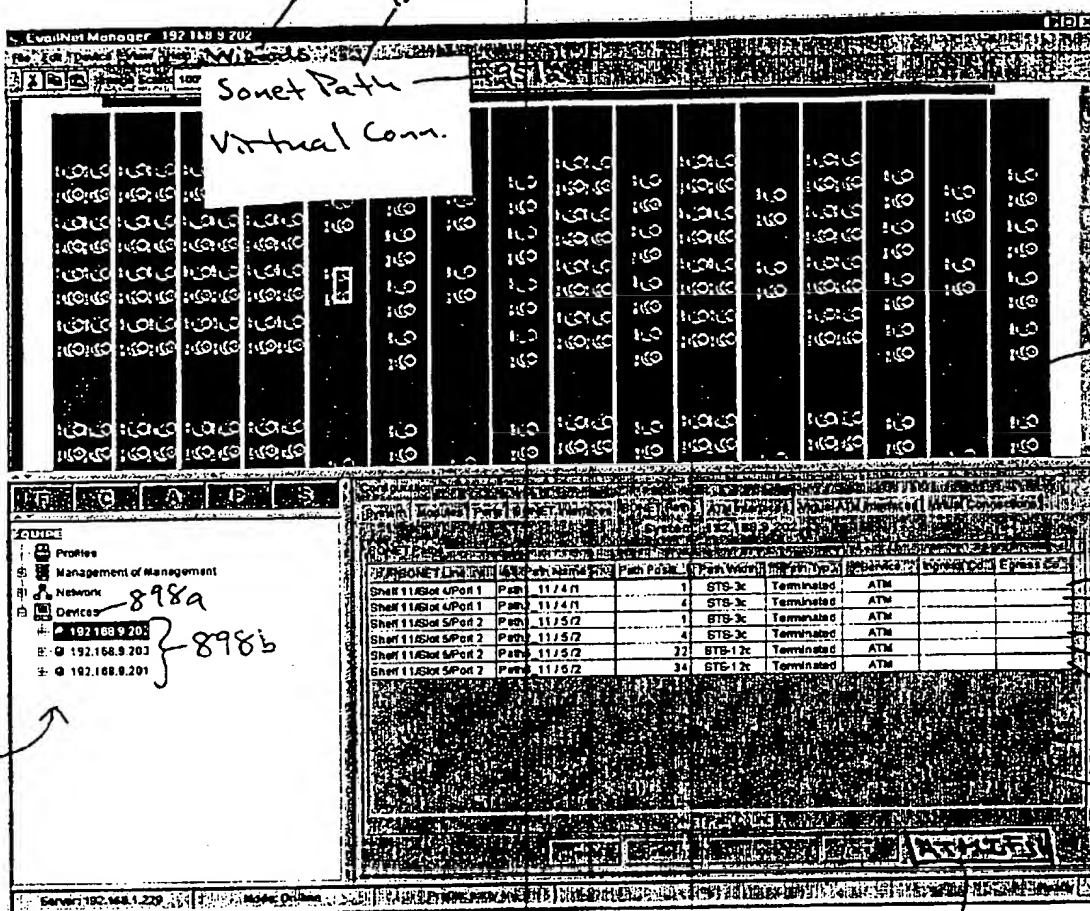
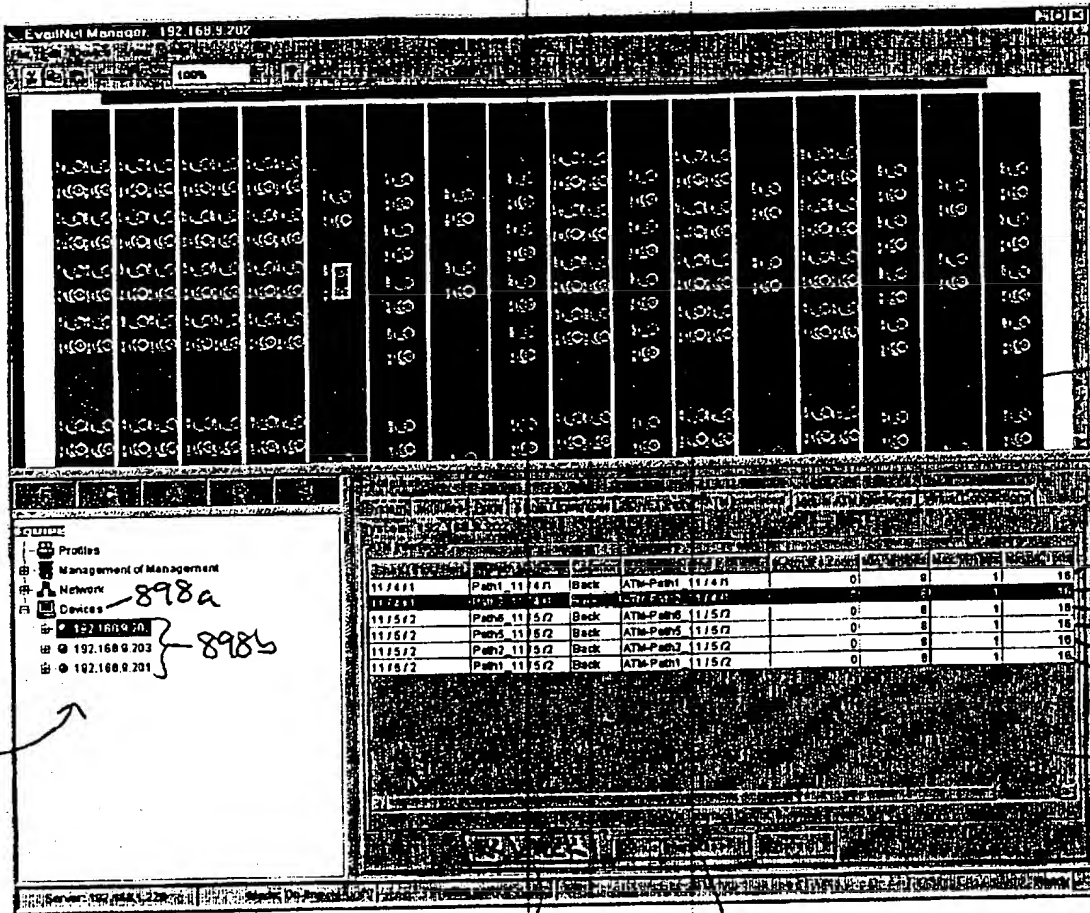


Fig. 5g

895



896a

946a
946b
946c
946d
946e
946f

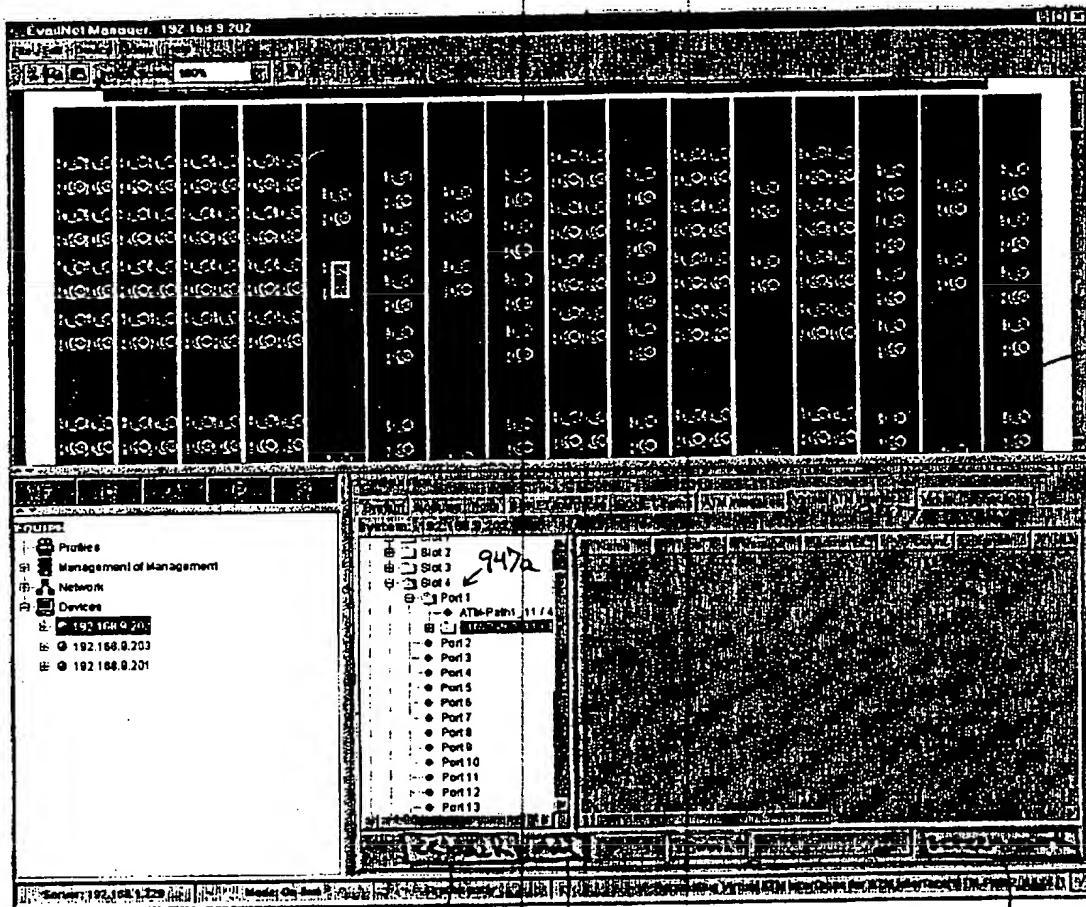
897

946h

946g

Fig. 5r

895



896a

947a

947b

959

Fig. 5s

Fig. 5+

950

Add V-ATM Interface - 192.168.9.202

Slot/Port: 1/1 Path Name: Path_2_1

Virtual ATM Interface: 2 interface

Name (Alias)	test1
Connection type	Direct Link
Version	UNI Network 3.1
Admin Status	Up

OK Cancel

950d

950a

9506

950c

The screenshot shows a network management interface. The top window, titled "EveNet Manager: 192.168.9.202", displays a grid of network devices. The bottom window, titled "192.168.9.202", provides a detailed view of a specific device configuration. This window includes a "Ports" section with a list of ports (Port 1 through Port 9) and a "Network" section with a table showing "Direct Line" and "UNI Network 31". A handwritten arrow points to "Slot 2" in the "Ports" section.

Ports Section:

- Slot 1
- Slot 2
- Slot 3
- Slot 4
- Port 1
- Port 2
- Port 3
- Port 4
- Port 5
- Port 6
- Port 7
- Port 8
- Port 9

Network Section:

Direct Line	UNI Network 31	Up	End

-947c

9476

Fig. 5u

556d 941a

← 89.5

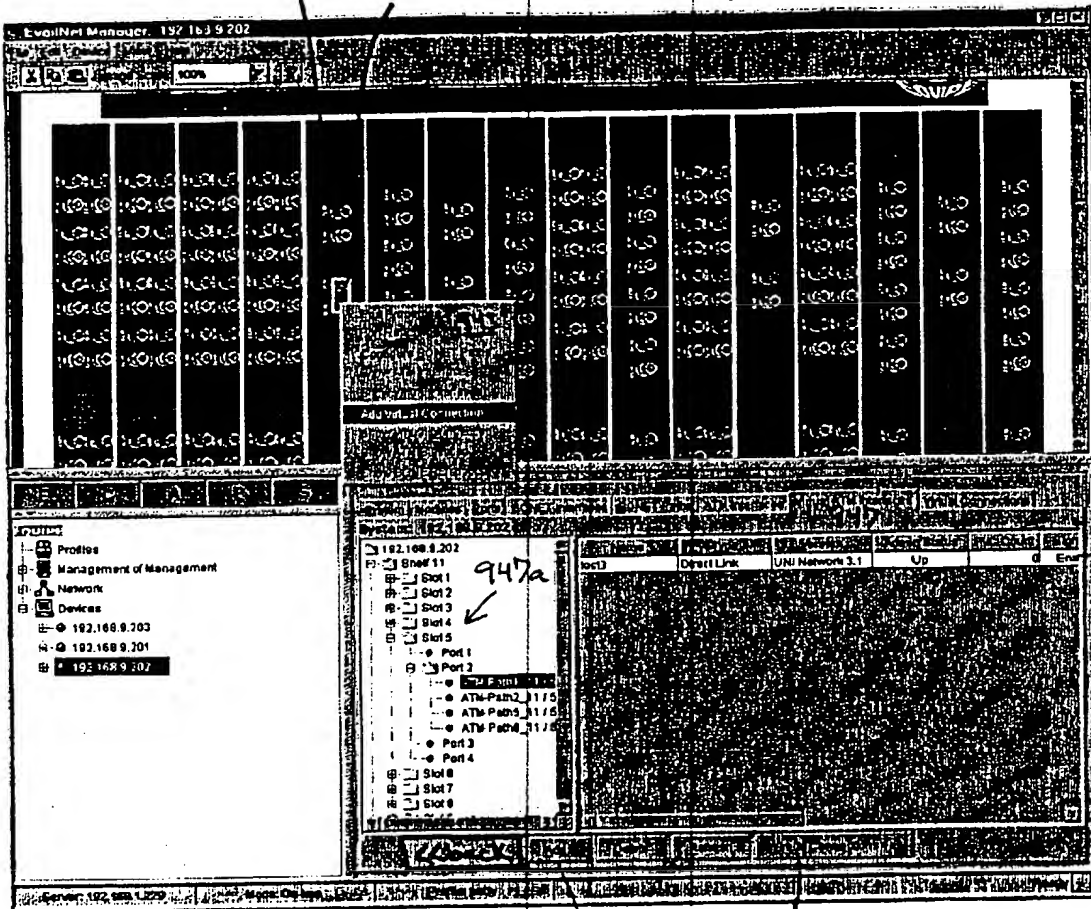


Fig. 5v

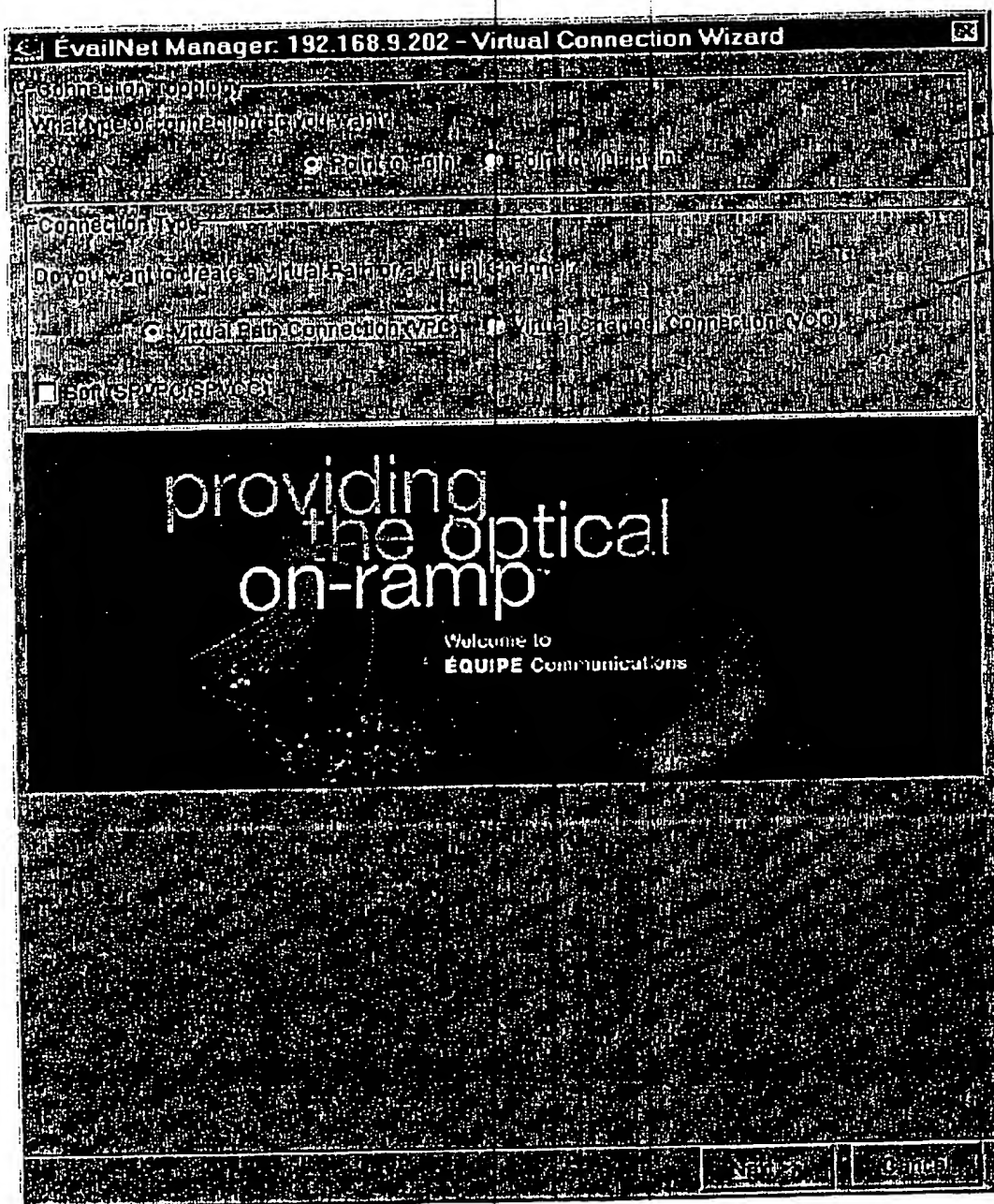


Fig. 5w

953a

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953c

953d

953b

953e

953f

953s

953g

953l

953p

953r

953t

953u

953w

953v

ÉvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11 / 4 / 1
 - ATM-Path2_11 / 4 / 1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

End Point 2

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11 / 5 / 2
 - test3
 - ATM-Path2_11 / 5 / 2
 - ATM-Path5_11 / 5 / 2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name: Walmart

End Point 1 Parameters

VPI: 953i

VCI: 953m

Transmit Traffic Description: VBR-high

Receive Traffic Description: VBR-high

Use the same Traffic Description for both Transmit and Receive

End Point 2 Parameters

VPI: 953j

VCI: 953n

Transmit Traffic Description: VBR-high

Receive Traffic Description: VBR-high

Use the same Traffic Description for both Transmit and Receive

Buttons: Back, Finish, Cancel

Fig. 5x

956

New Traffic Descriptor

Name:

QoS Class:

▼

Type:

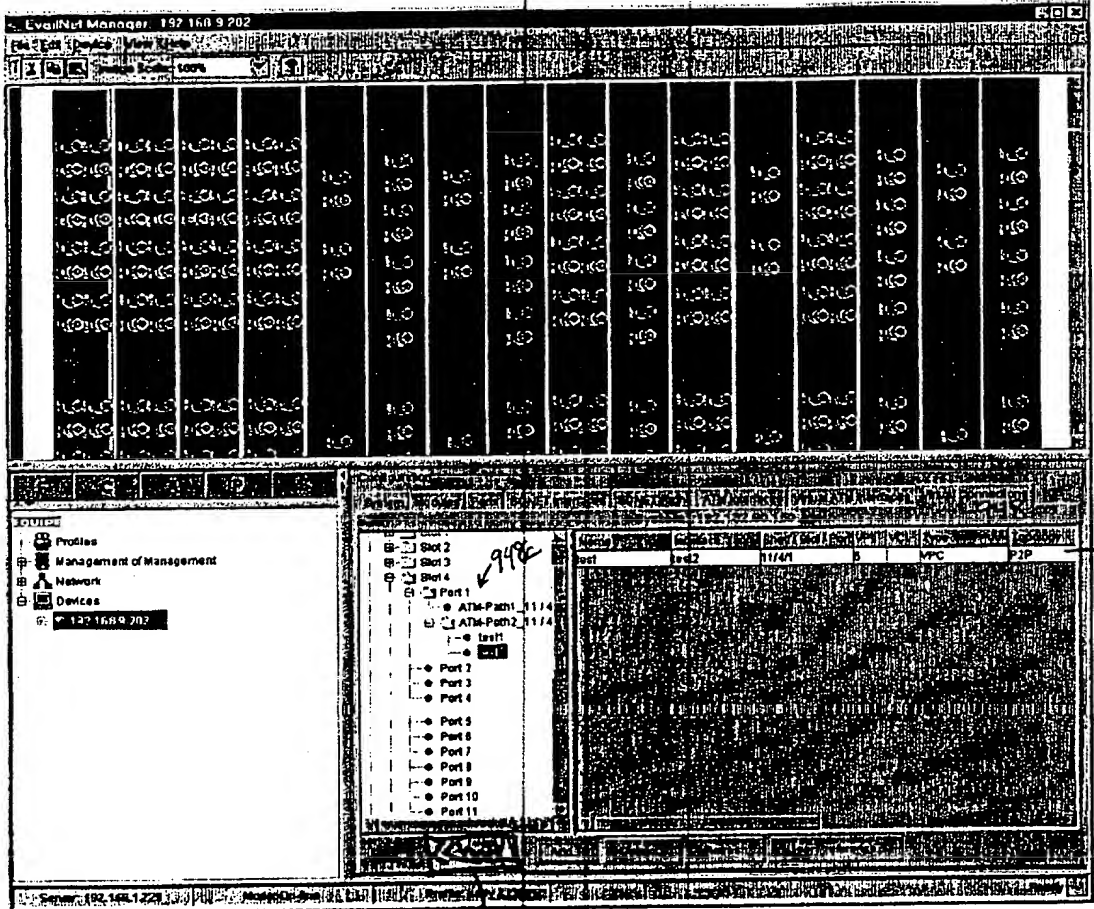
▼

OK

Cancel

Fig. 5Y

895



948a

948b

Fig. 57

895

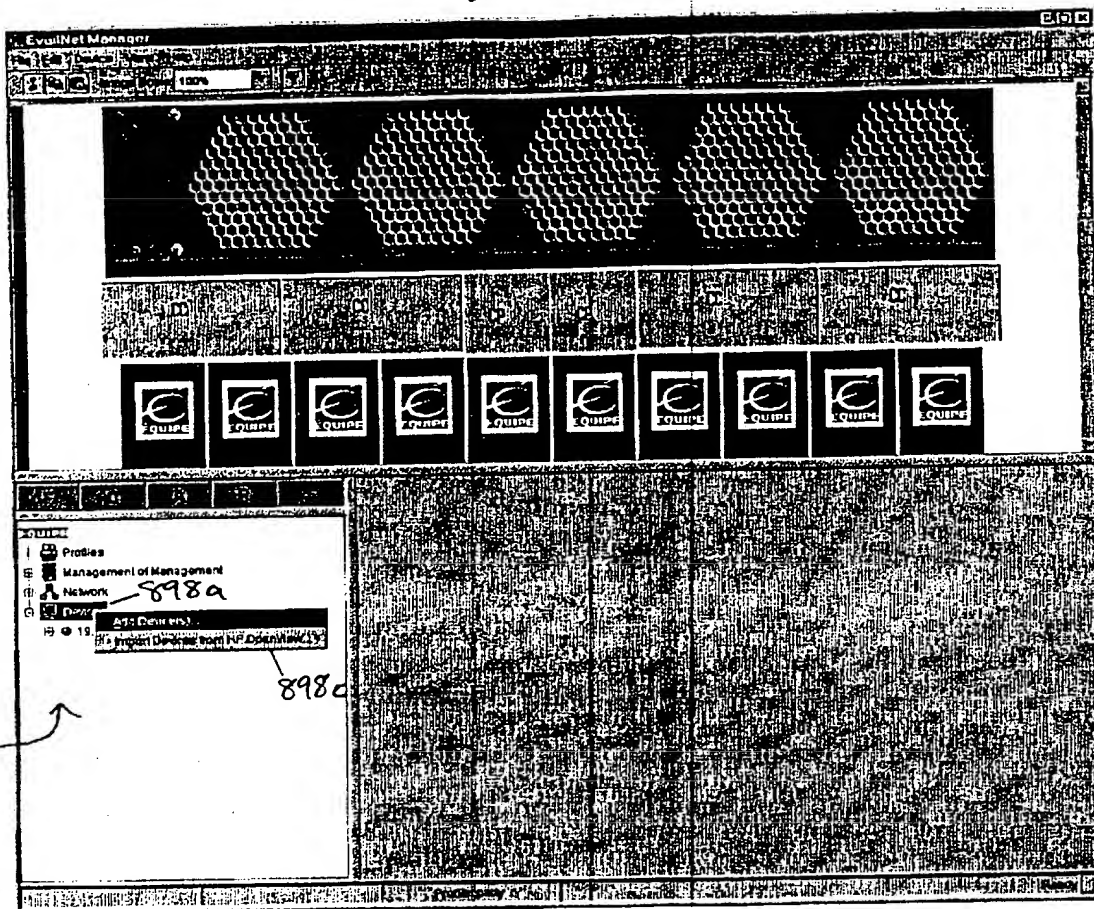


Fig. 6a

Fig. 6b

The screenshot shows a dialog box titled "AddDeleteDeviceDlg". It contains a text input field labeled "Enter device IP address:" with the value "192.168.9.201". Below this is a checkbox labeled "Manage device in on-line mode:". To the right of the checkbox is a button labeled "Add:". Below the checkbox and button is a section labeled "Device List:" containing a table with one row. The row has two columns: "On-Line Device:" and a text field containing "192.168.9.201". At the bottom of the dialog are three buttons: "OK", "Cancel", and "Delete".

898e

898d

898g

Fig. 6c

The screenshot shows the same dialog box as Fig. 6b, but with the "Add" button disabled. The "Device List:" table now contains two rows. The first row has "On-Line Device:" and a text field containing "192.168.9.201". The second row has "On-Line Device:" and a text field containing "192.168.9.201". The "Add" button is disabled. The "OK", "Cancel", and "Delete" buttons are still present at the bottom.

898d

898g

898m

895

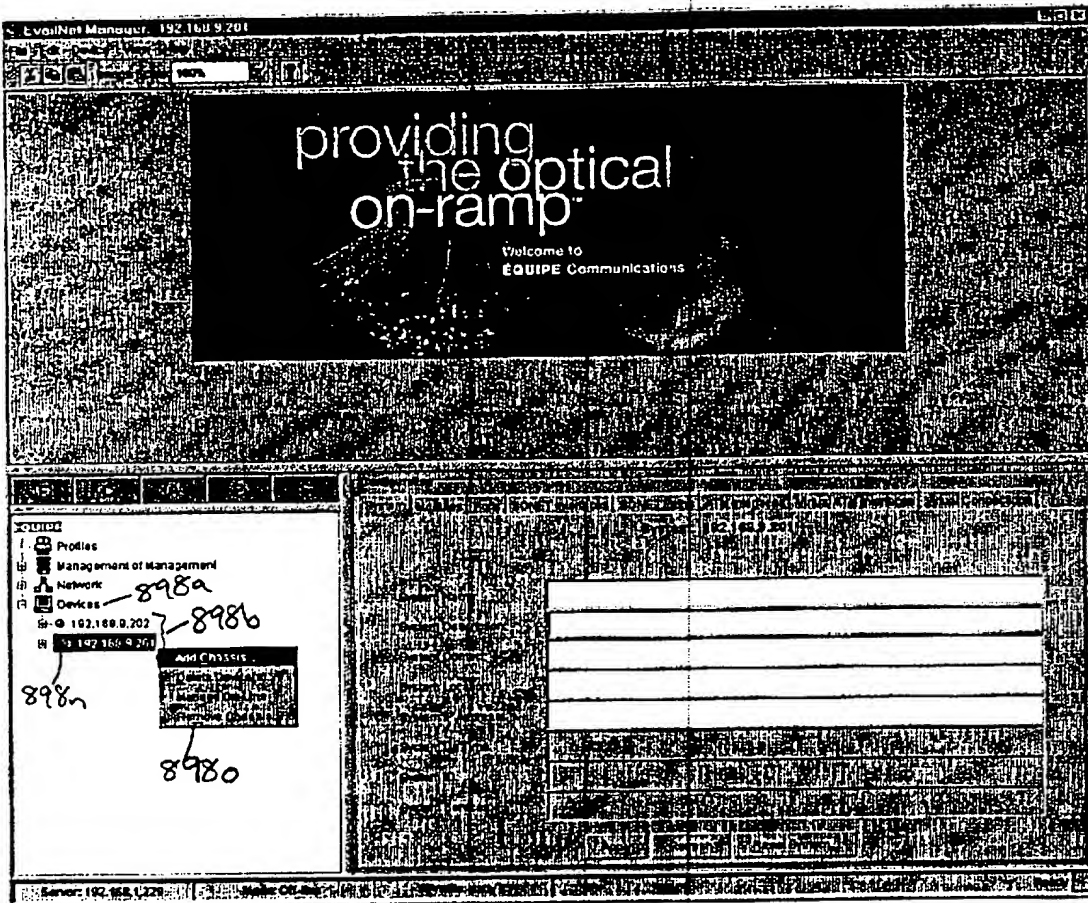


Fig. 6d

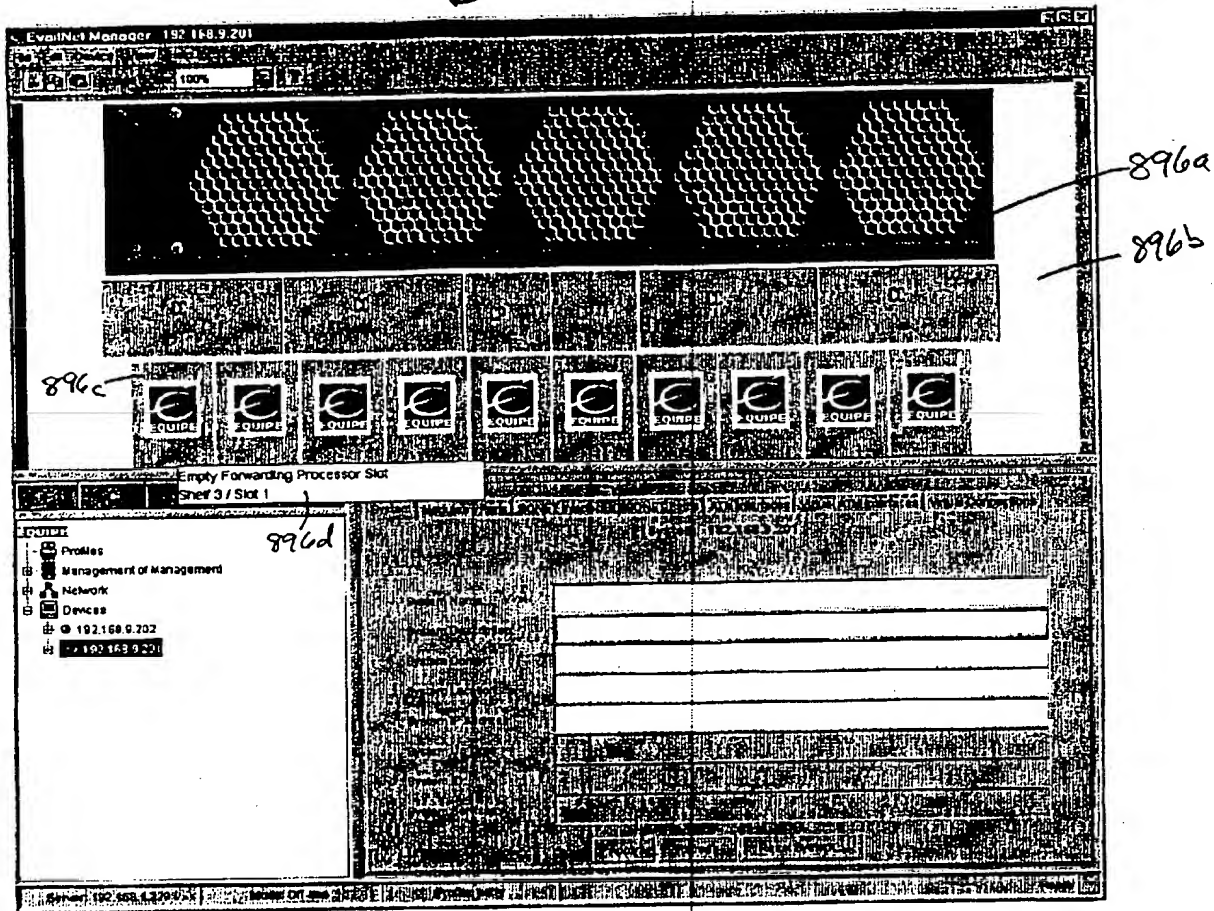


Fig. 6e

895

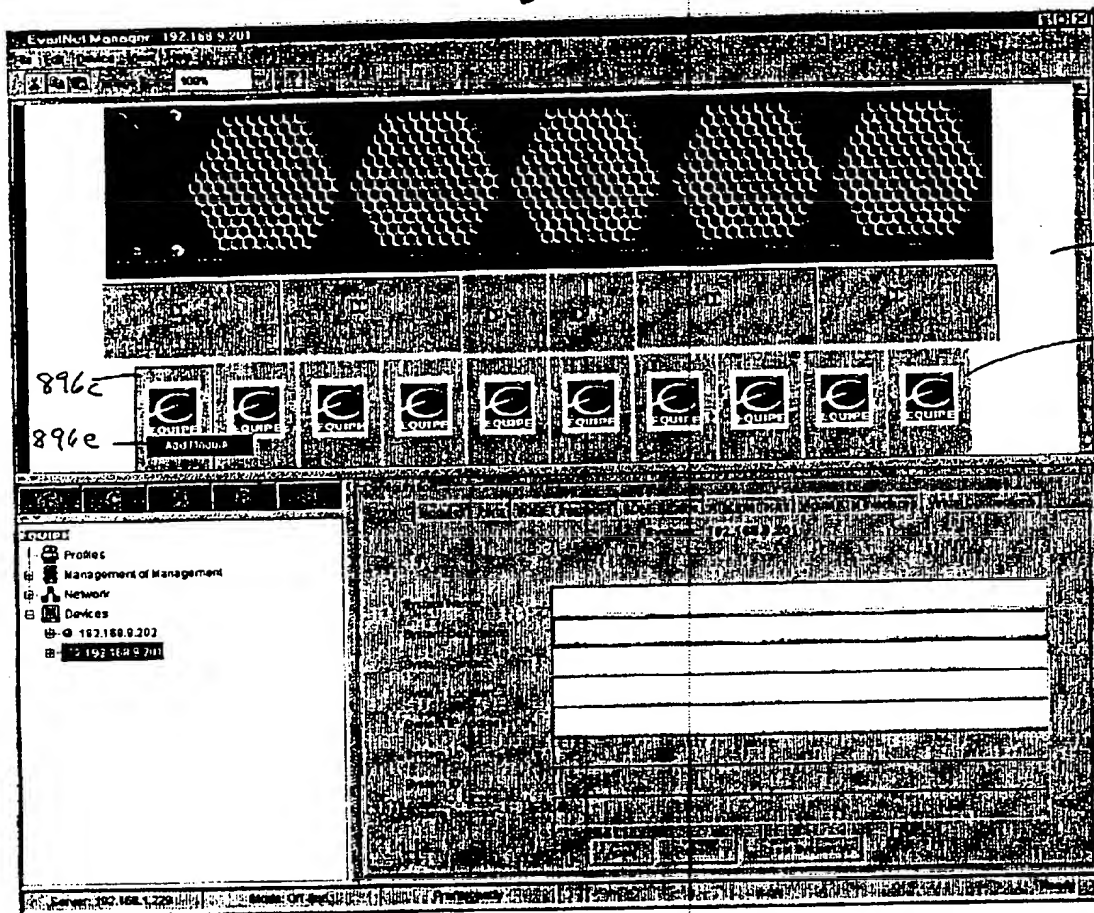


Fig. 6f

895

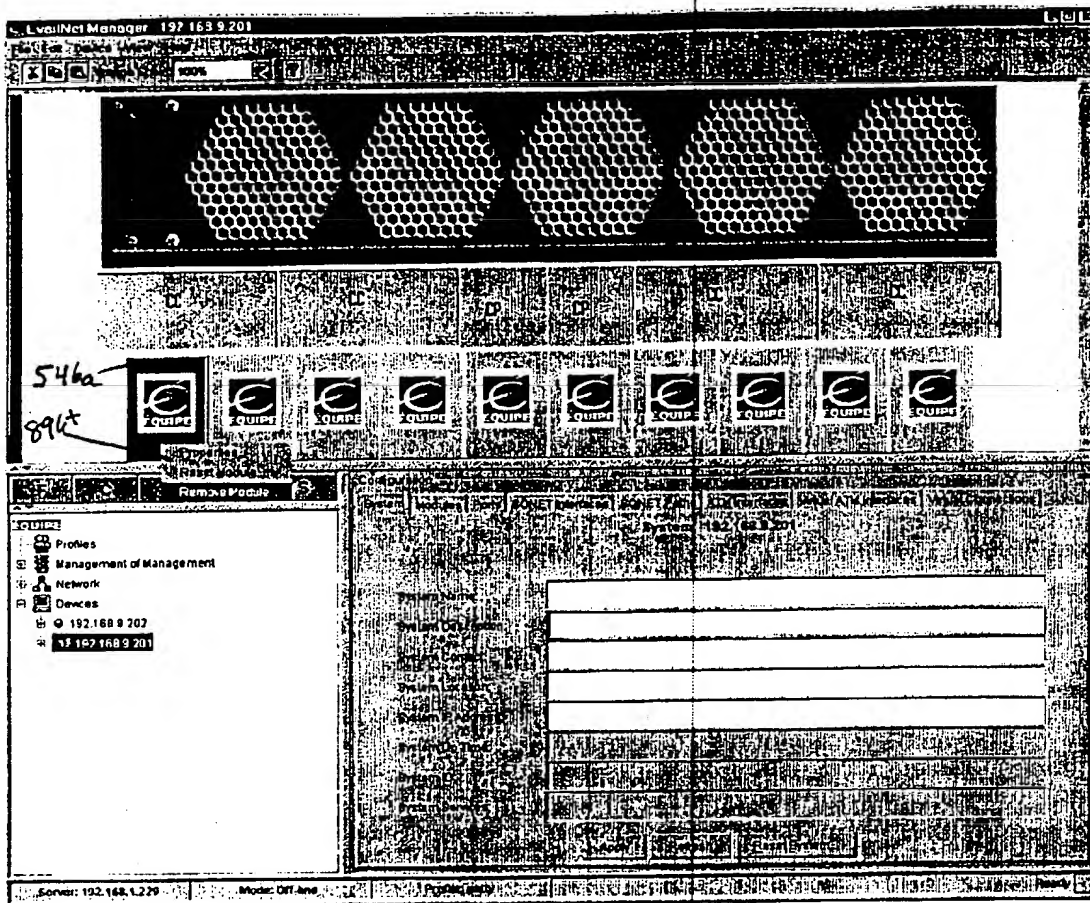


Fig. 69

895

896f

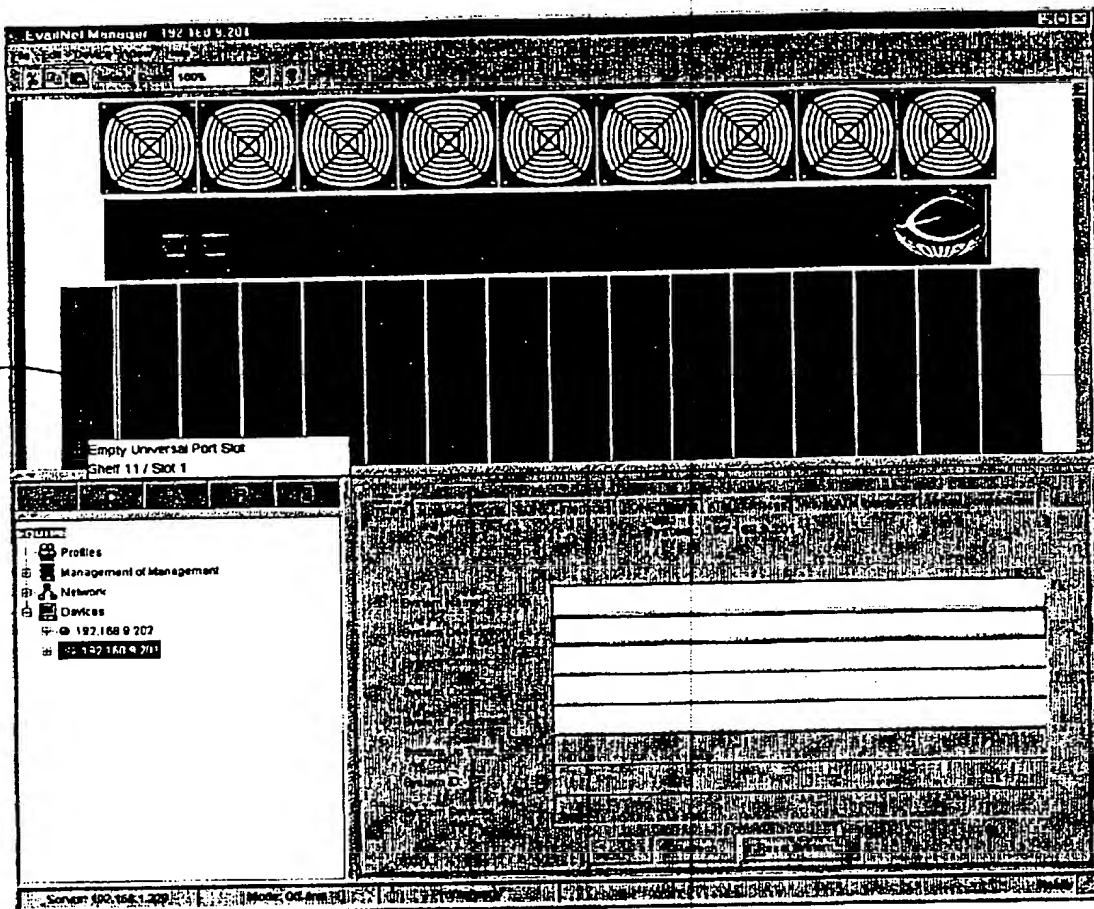


Fig. 6h

895

896f

896g

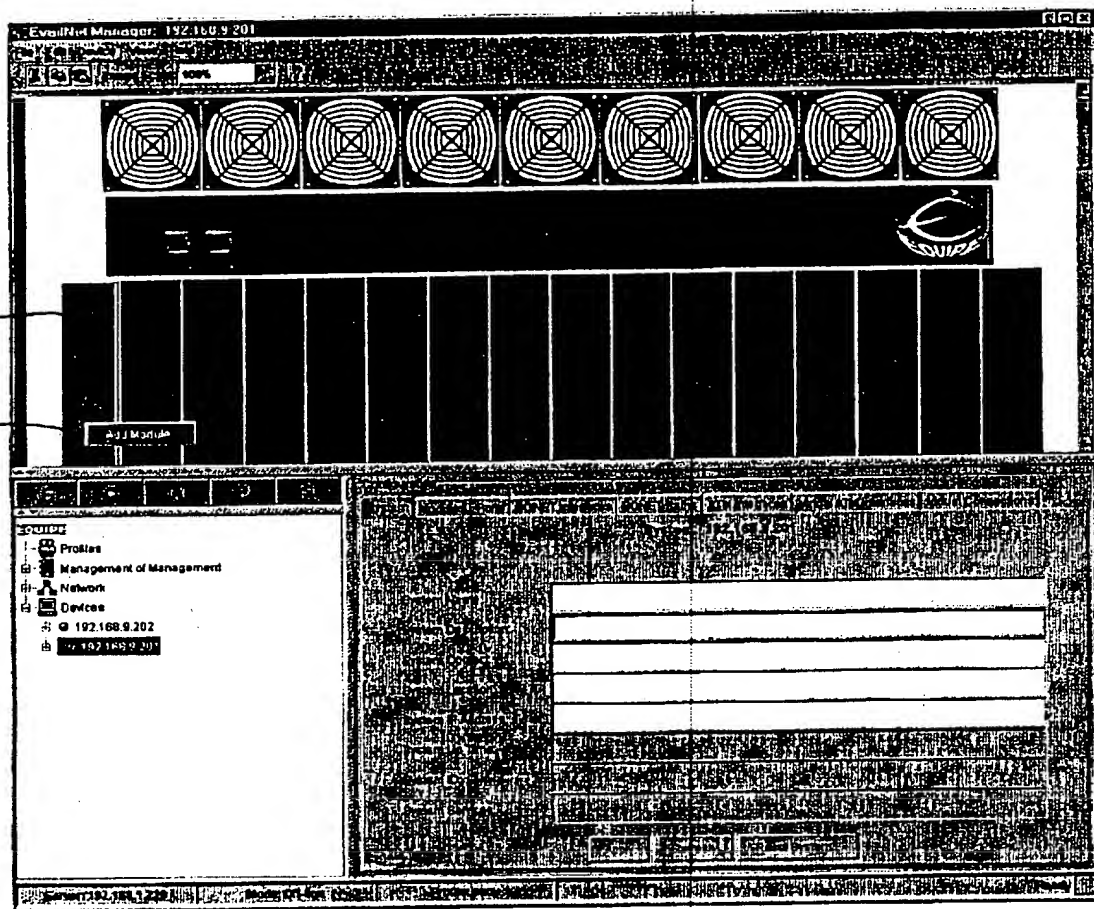


Fig. 6i

Fig. 6j

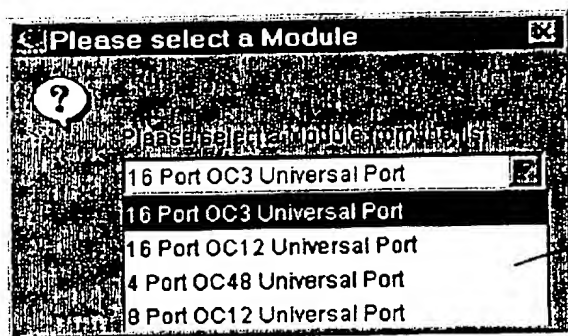
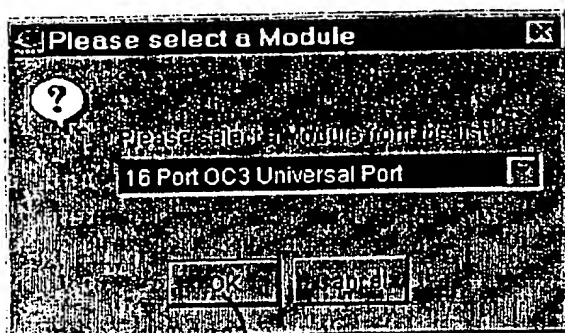


Fig. 6K

895

556i

556h

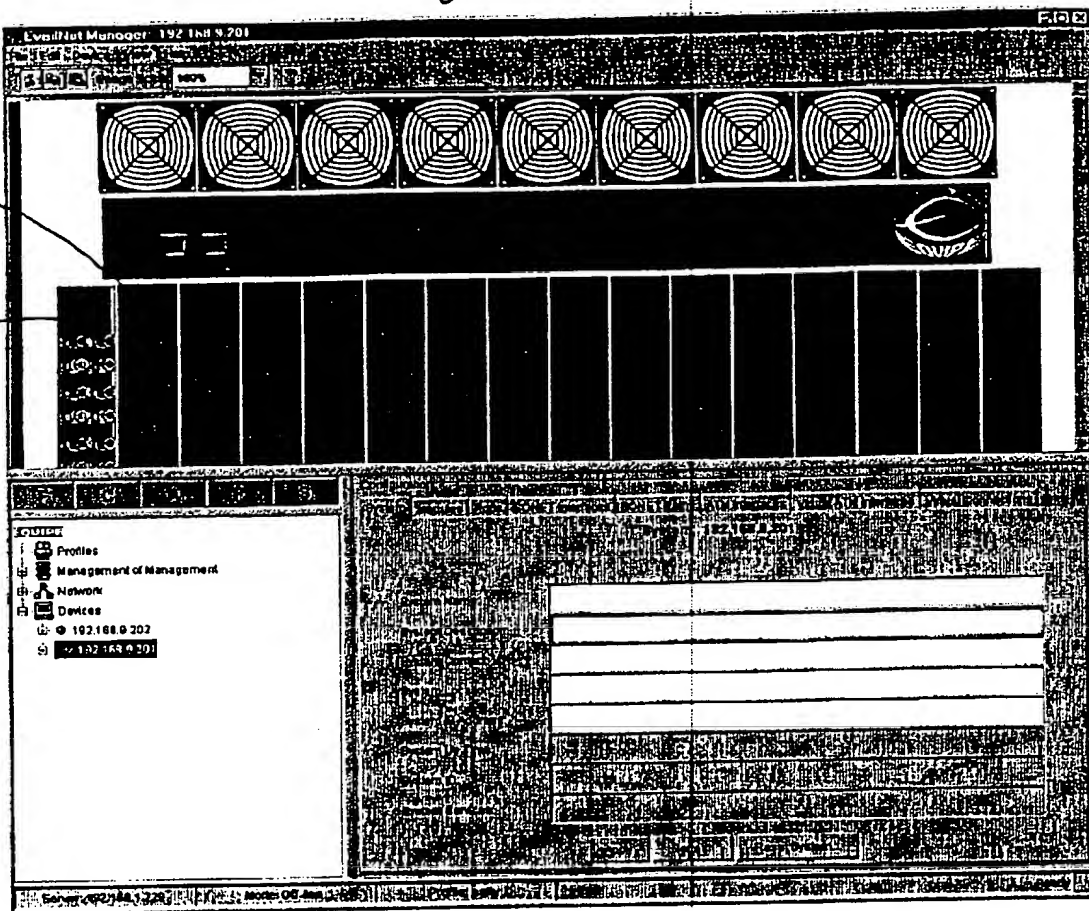
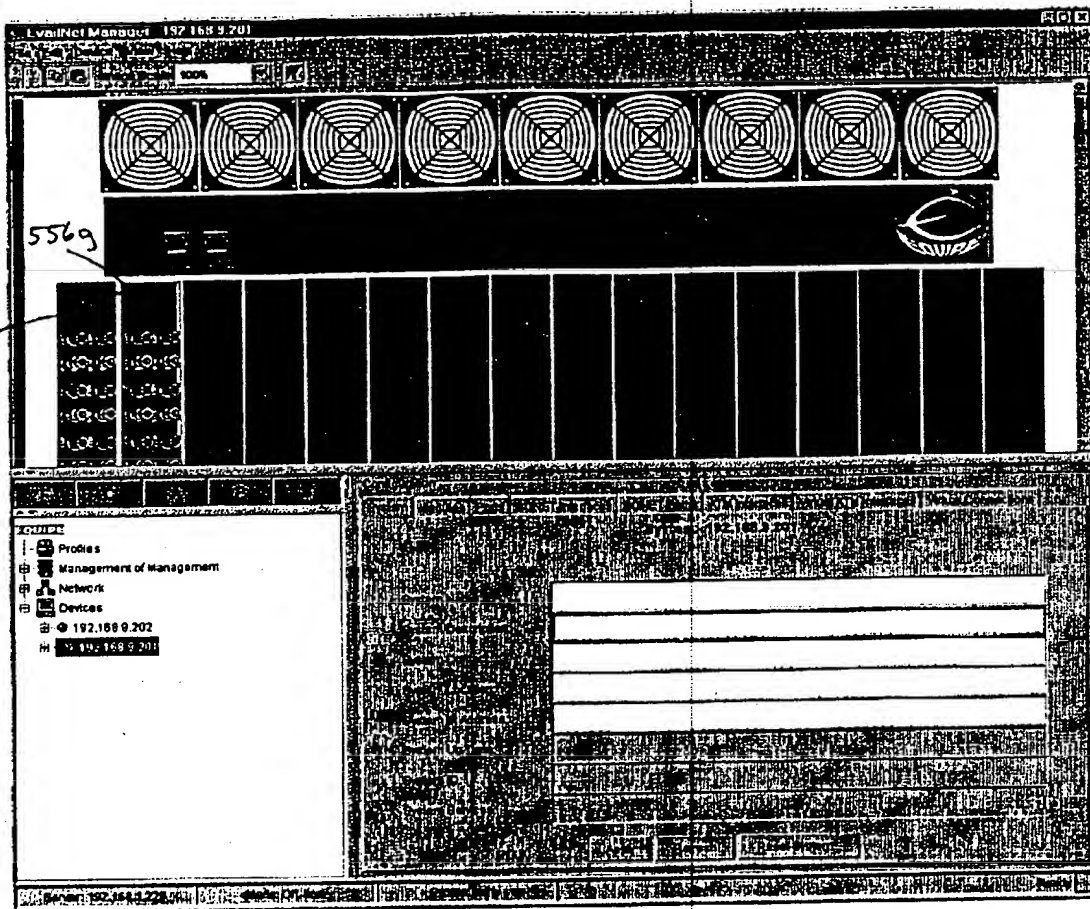


Fig. 6L

895



556h

Fig.6m

895
↙

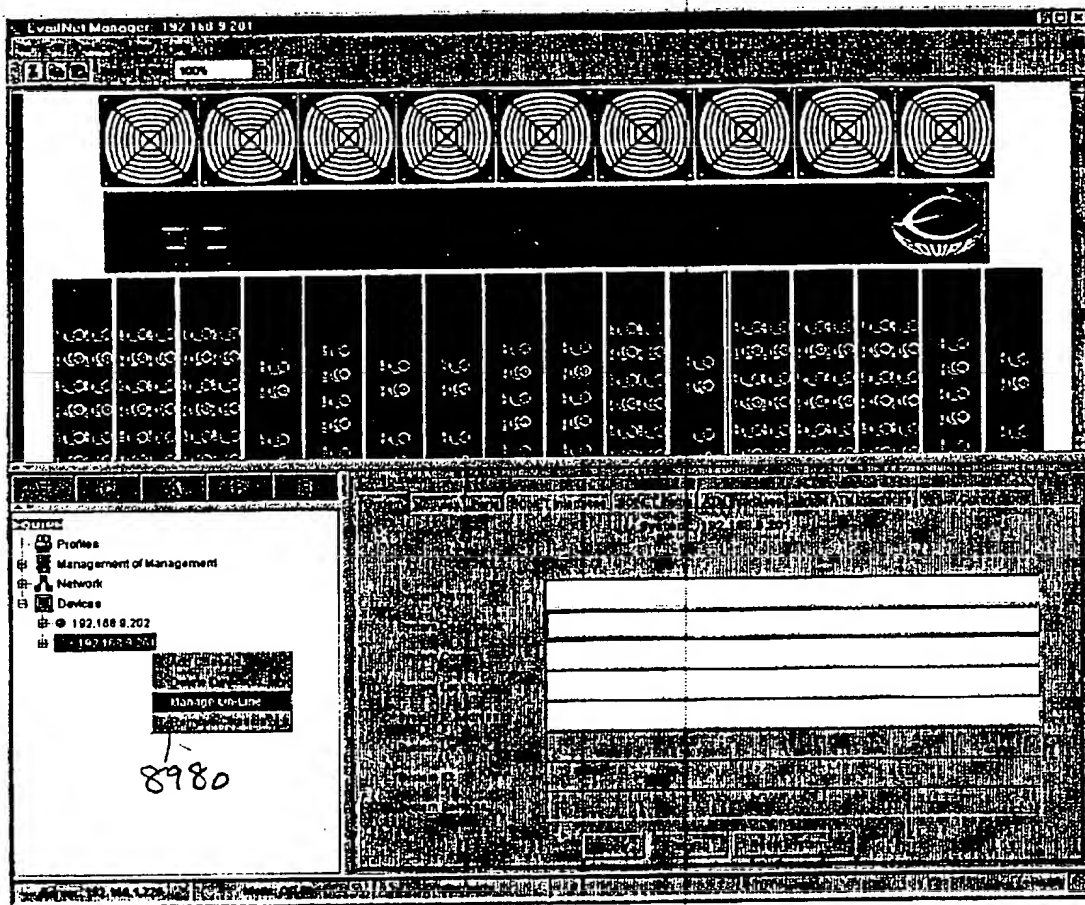


Fig. 6n

895

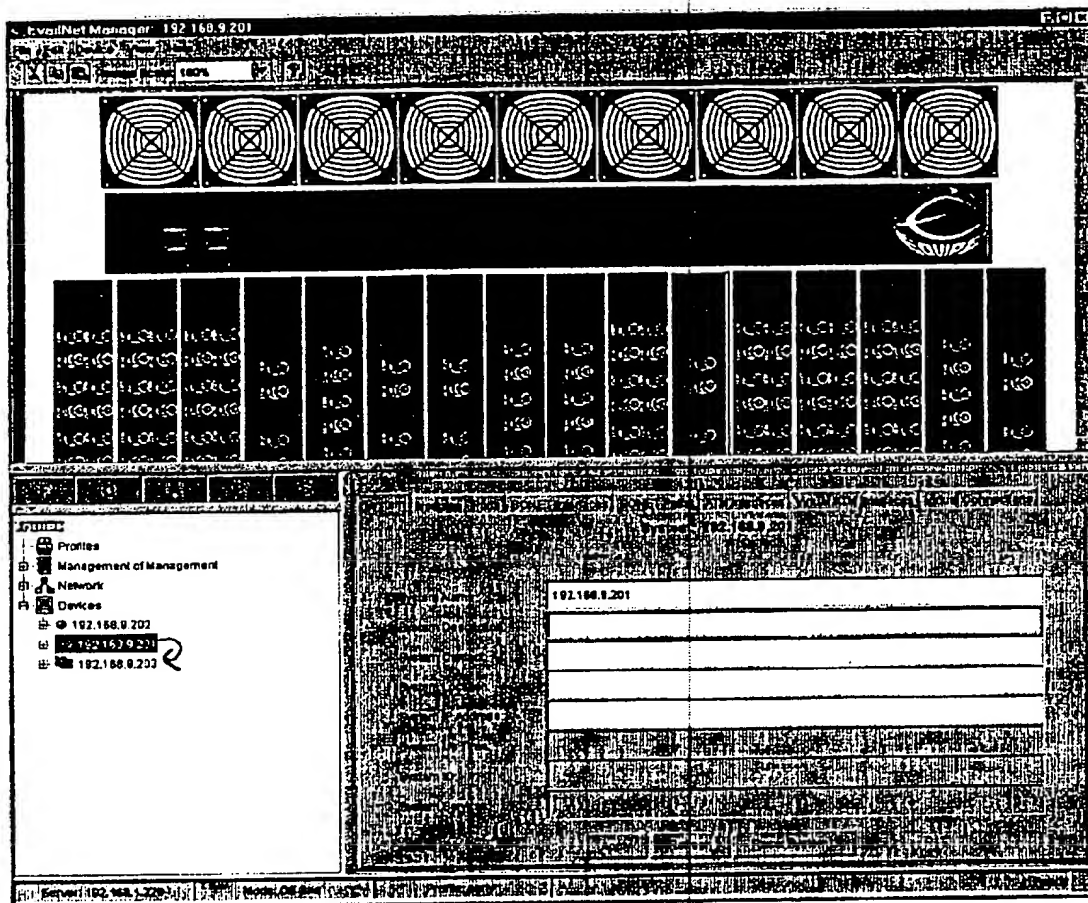


Fig. 60

895

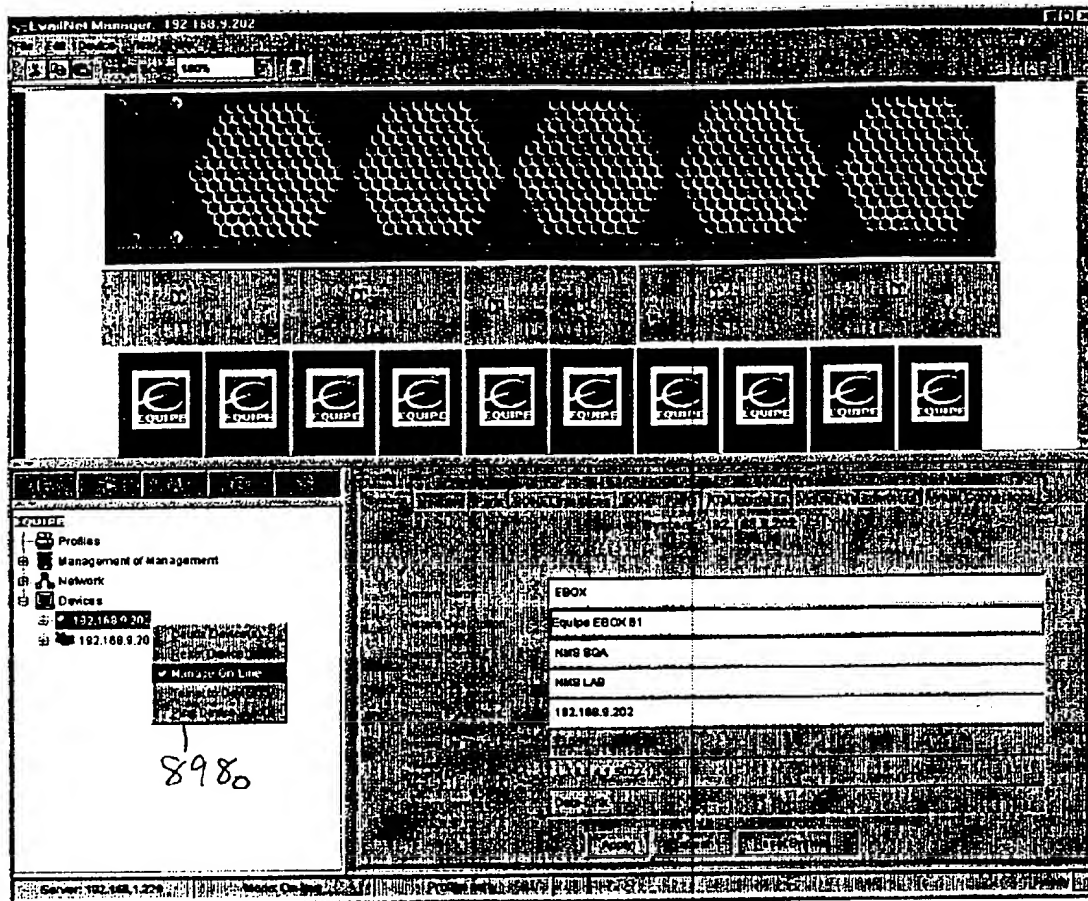


Fig. 6p

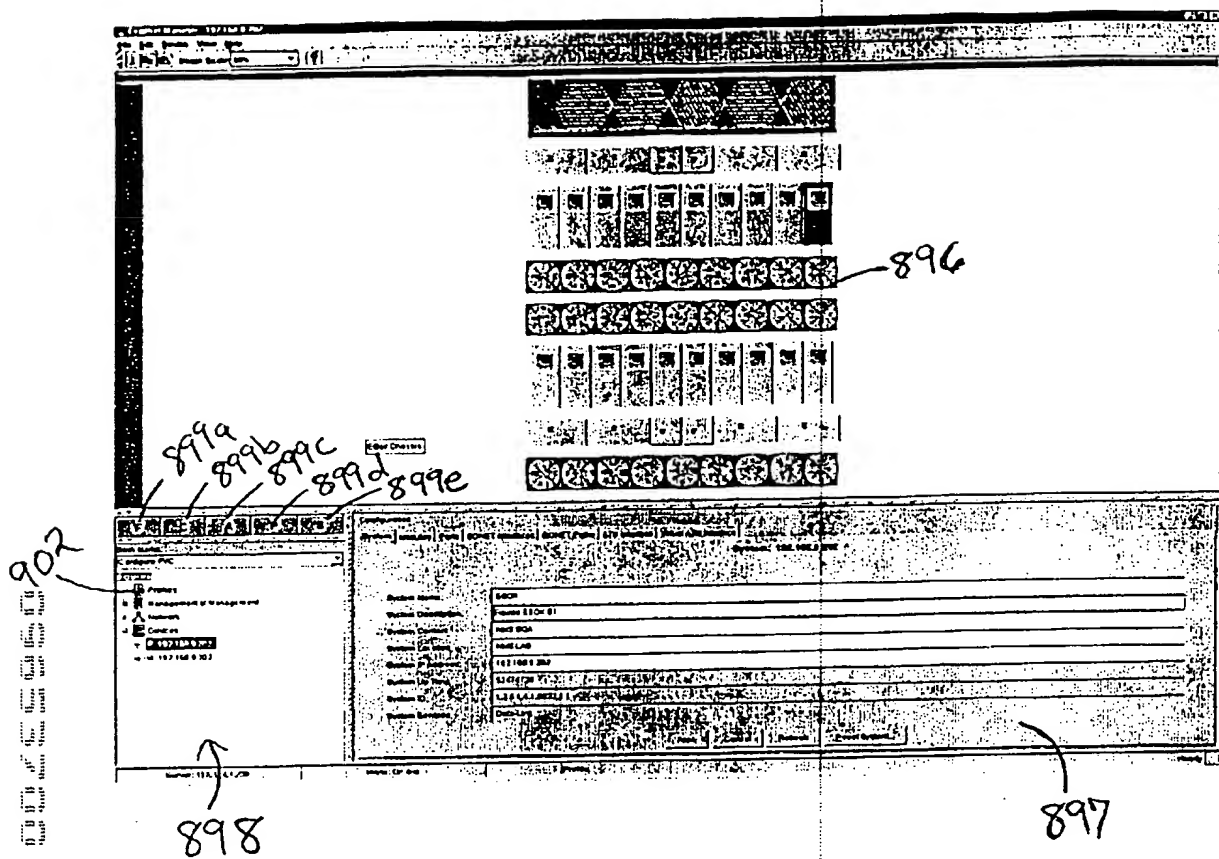


Fig. 7a

EvaNet Manager: Fault - Event Summary			
System: 192.168.65.60			
System	Event	Event Number	Description
1.1.55.6	Fan OverTemp	44	"Fan marginally functioning"
1.1.55.7	New Board Ins...	75	"New board inserted"
OK			

Fig. 7b

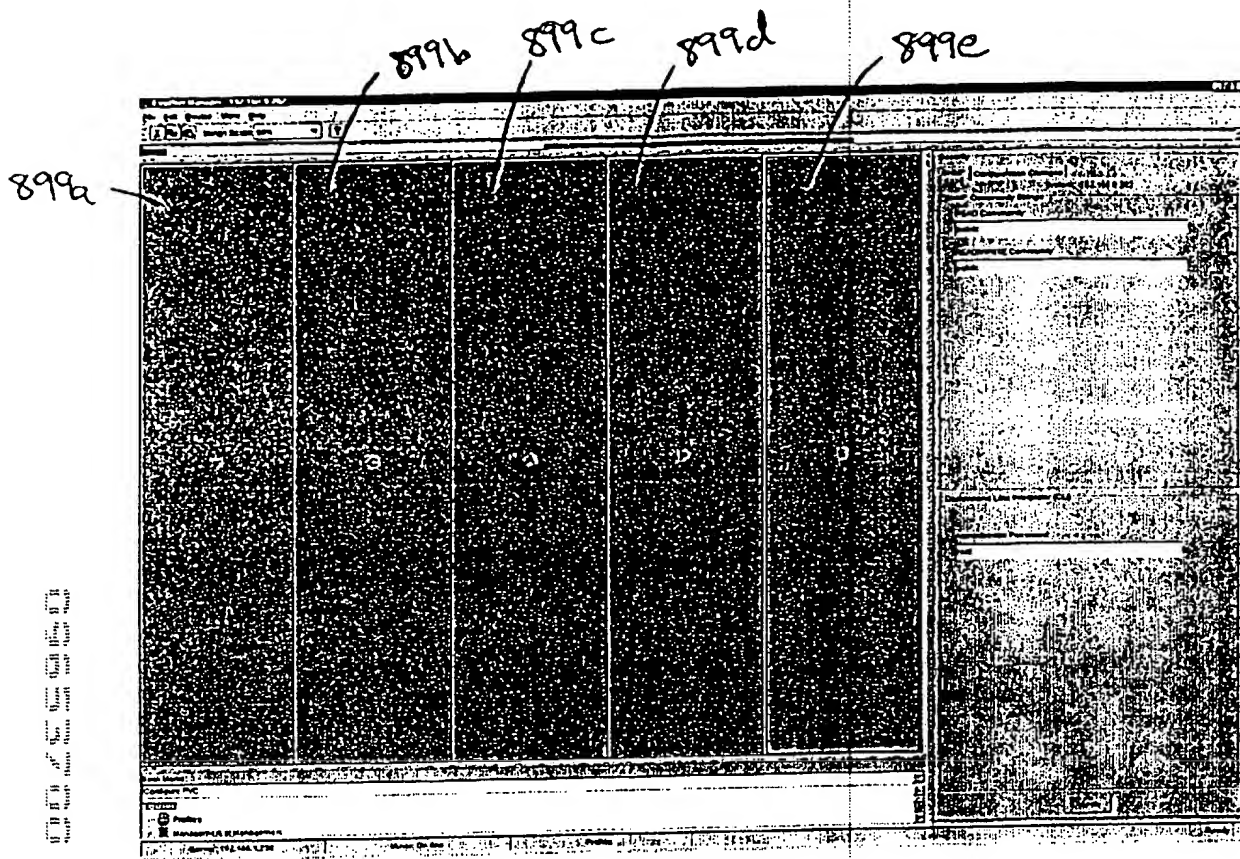


Fig. 7c

Fig. 7e

907

General

Username: Kevin

Description: Kevin Snow user account

Group Name: Equipe

Group Level Access:

Password: *****

Confirm Password: *****

Policies

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

Servers

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.221

Secondary Server Port: 6503

Devices

Device	READ	READWRITE	Relay	Timeout	
192.168.9.202	public	equipe	3	5	
192.168.9.205	public	equipe	3	5	
192.168.9.216	public	equipe	3	5	

OK Cancel

908a

908e

908f

908d

908b

908c

908k

908l

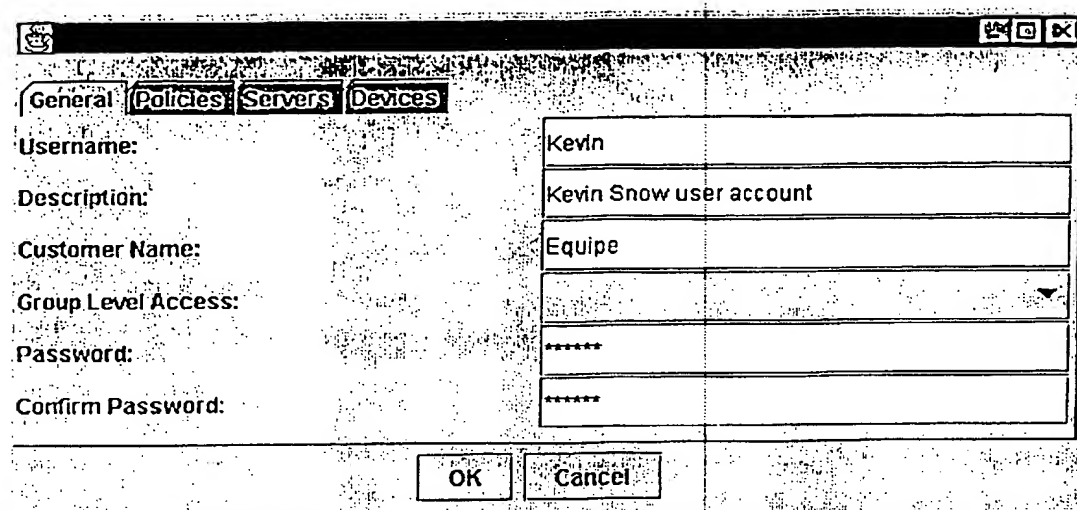
908n

908m

908o

908j

Fig. 7f



General Policies Servers Devices

Username: Kevin

Description: Kevin Snow user account

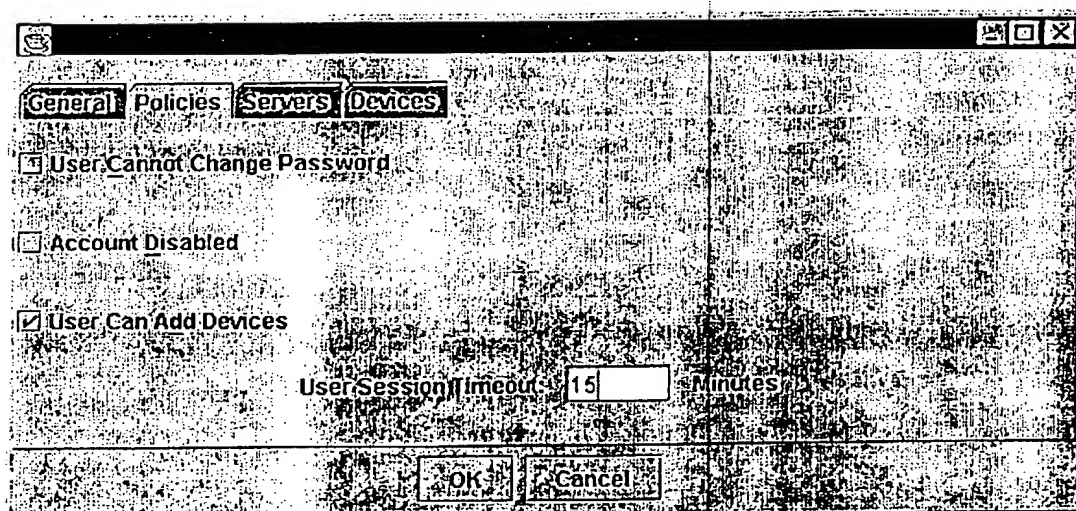
Customer Name: Equipe

Group Level Access: [dropdown]

Password: *****

Confirm Password: *****

OK Cancel



General Policies Servers Devices

☒ User Cannot Change Password

☐ Account Disabled

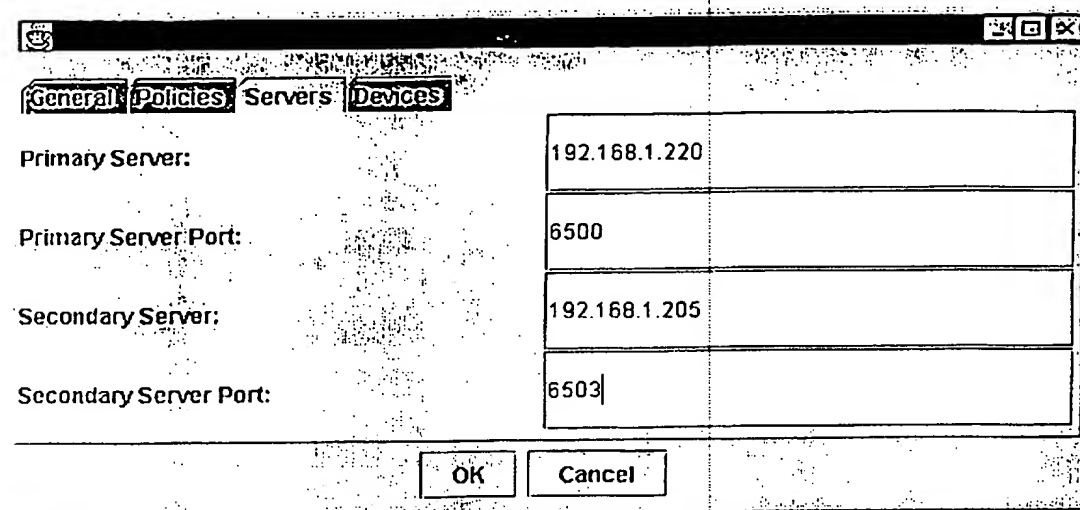
☒ User Can Add Devices

User Session Timeout: 15 Minutes

OK Cancel

Fig. 7g

Fig. 7h



General Policies Servers **Devices**

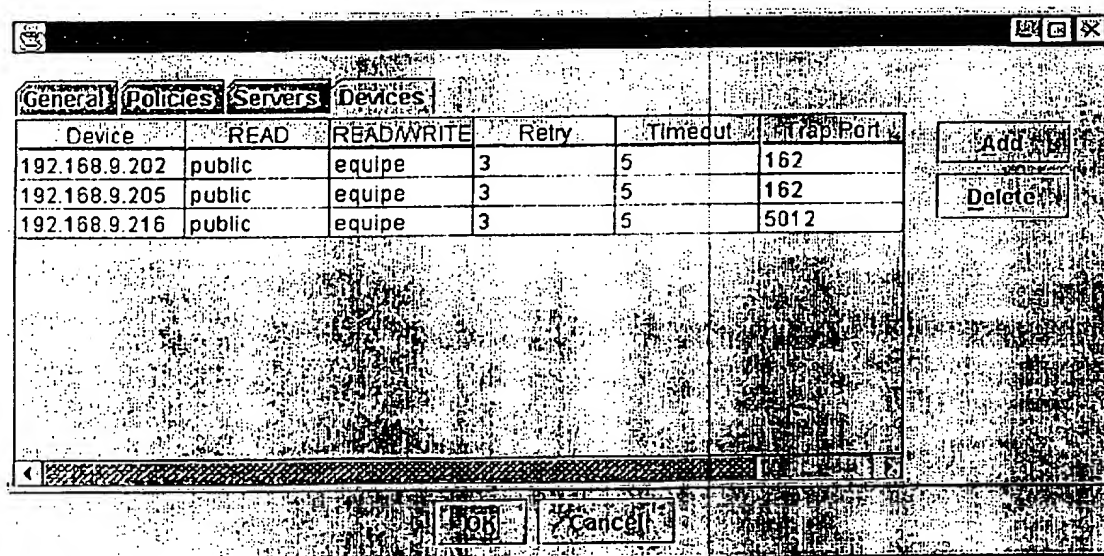
Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.205

Secondary Server Port: 6503

OK Cancel



General Policies Servers **Devices**

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	5	162
192.168.9.205	public	equipe	3	5	162
192.168.9.216	public	equipe	3	5	5012

Add Delete

OK Cancel

Fig. 7i

909

910a
910b
910c
910d

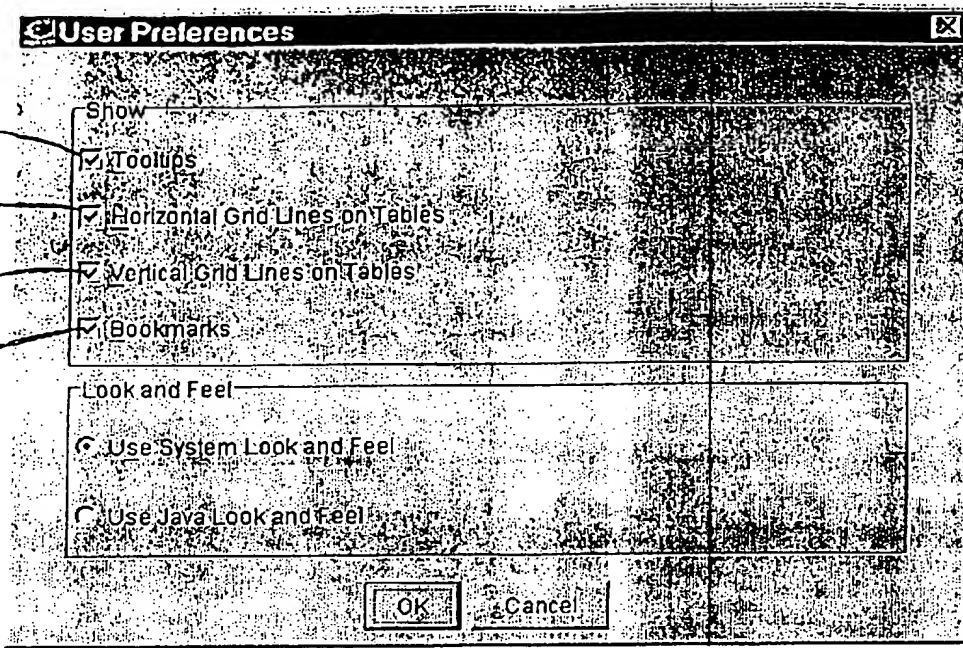
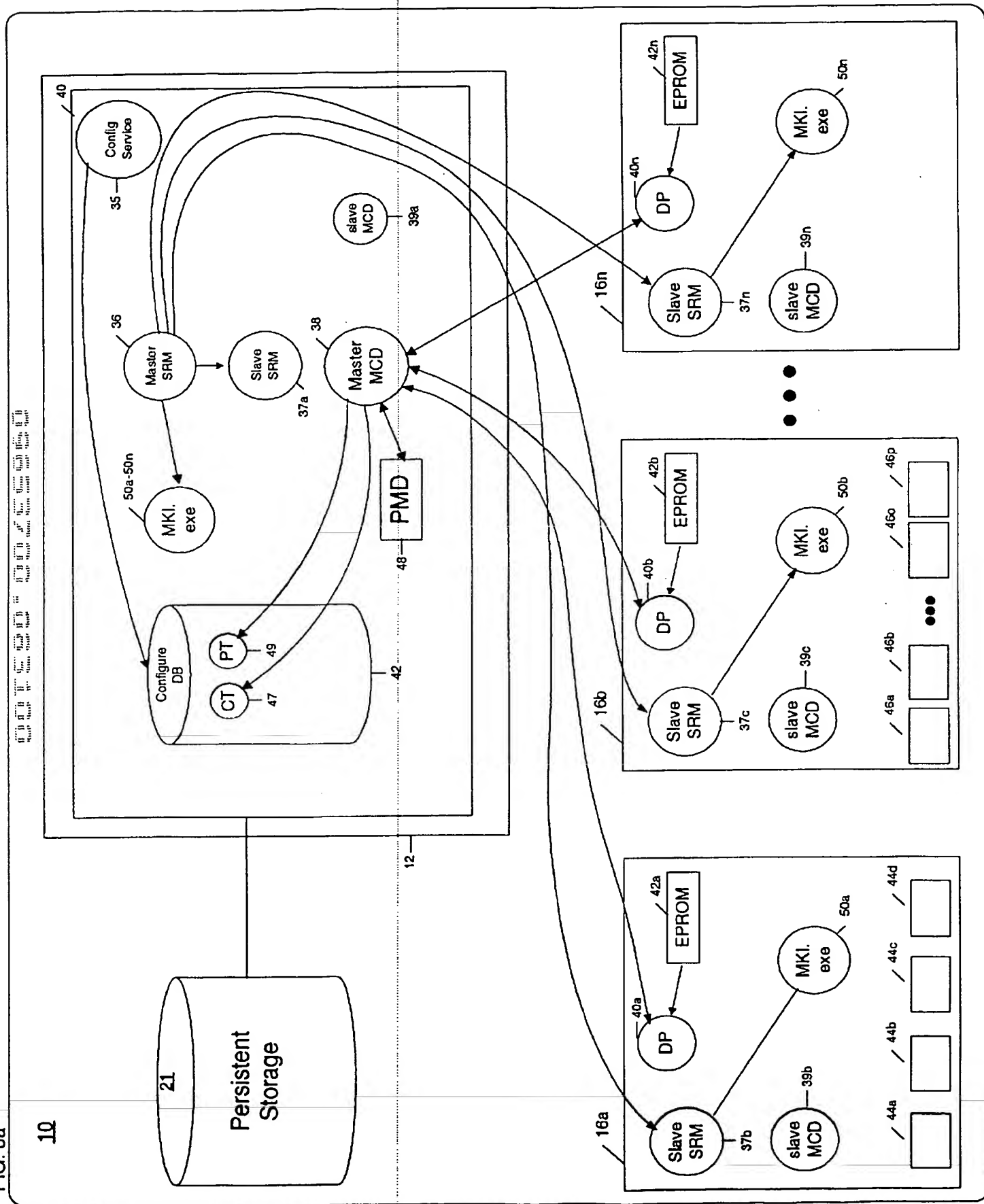


Fig. 7j

FIG. 8a

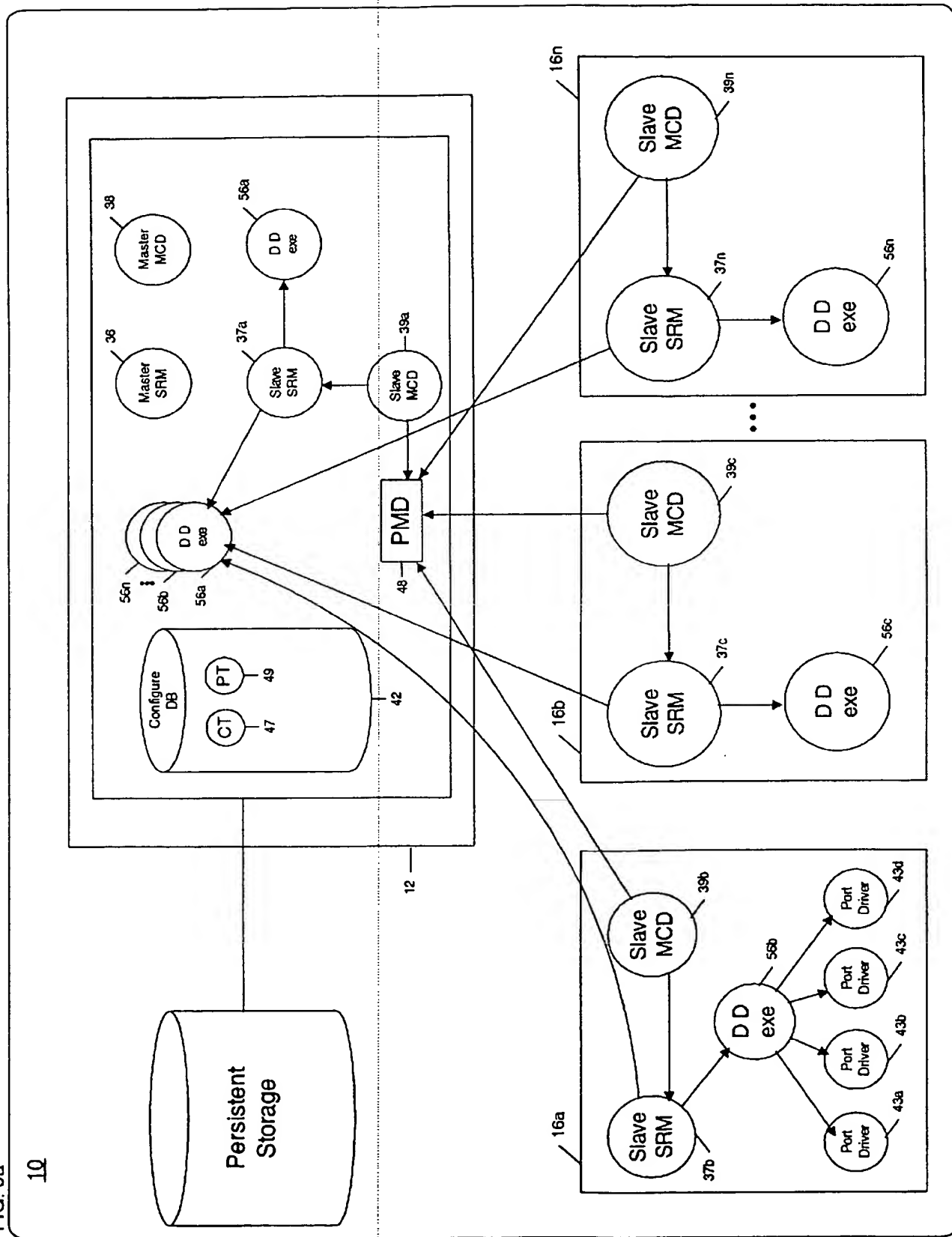


PORT TABLE

PID	PORT TYPE	VERSION NO.	SLOT NO.	...
1500	00620	1	1	
1501	00620	1	1	
1502	00620	1	1	
1503	00620	1	1	
1504	00820			
...
1600	00620	1	8	
...

FIG. 8c

FIG. 9a



[illegible]

Fig. 9c

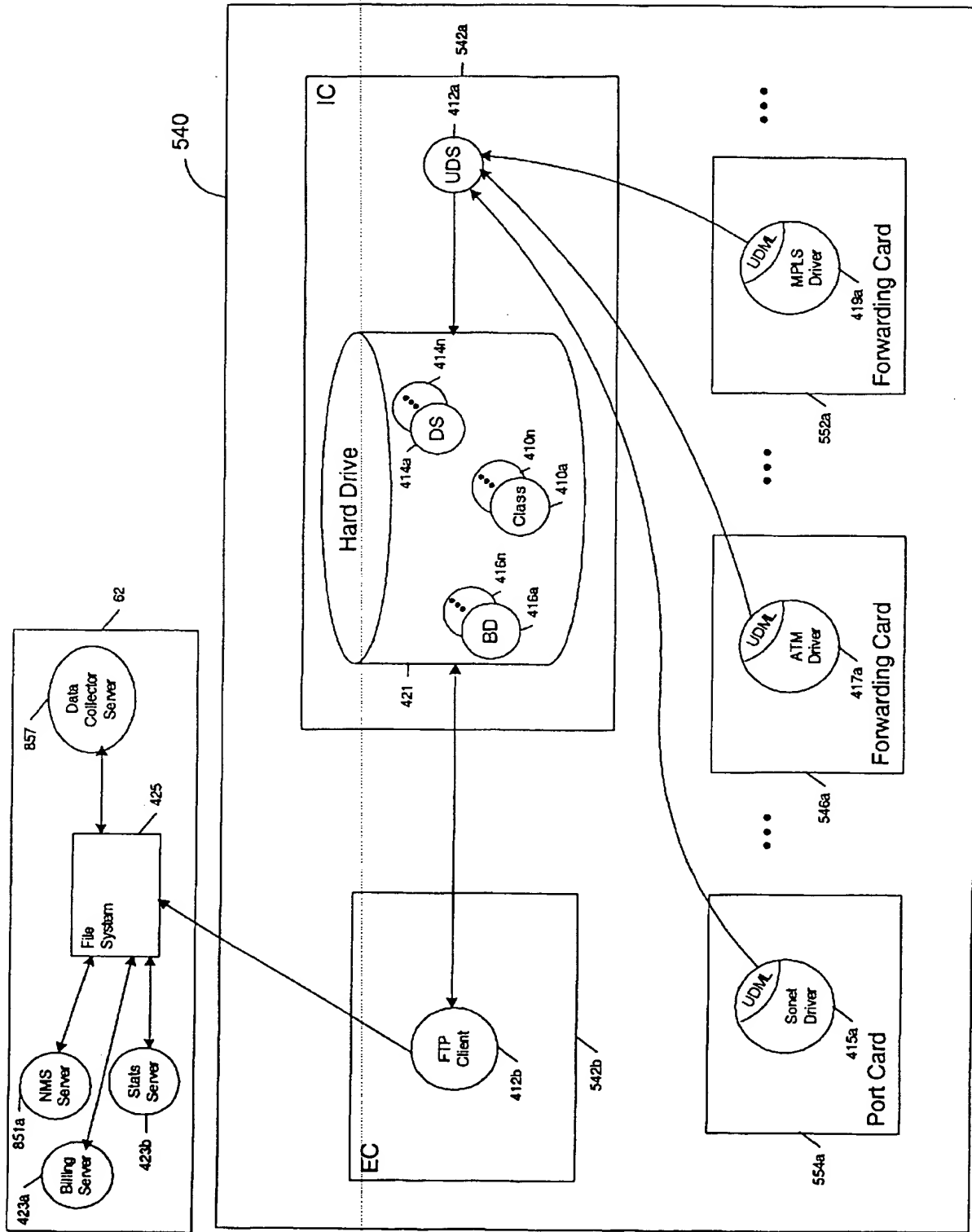


FIG. 10

Service Endpoint Table 76

	Service Endpoint #	Port PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮

FIG. 11a

Logical to Physical Card Table 100

	98 LID	102 Primary PID	104 Back-up PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮

FIG. 11b

Logical to Physical Port Table 101

	98 LID	102 Primary PID	104 Back-up PID
107	40	1500	1600
	⋮	⋮	⋮

FIG. 12

ATM Group Table 108

Group #	Card LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 13

ATM Interface Table 114

ATM IF	ATM Group	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14

Software Load Record 128a

130	Control Shim	LID	132
134	alm-cntrl.exe	30	

FIG. 15

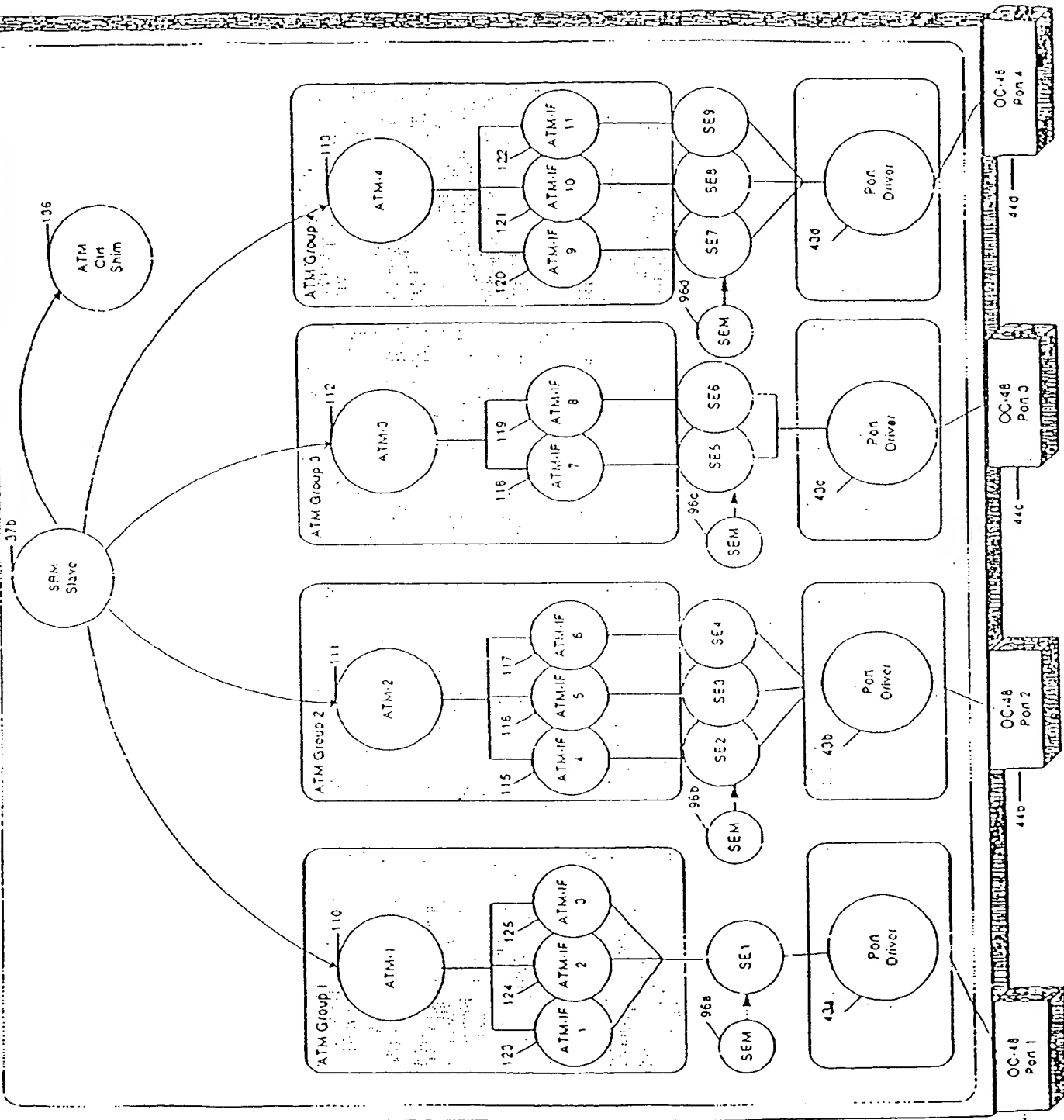


FIG. 16a

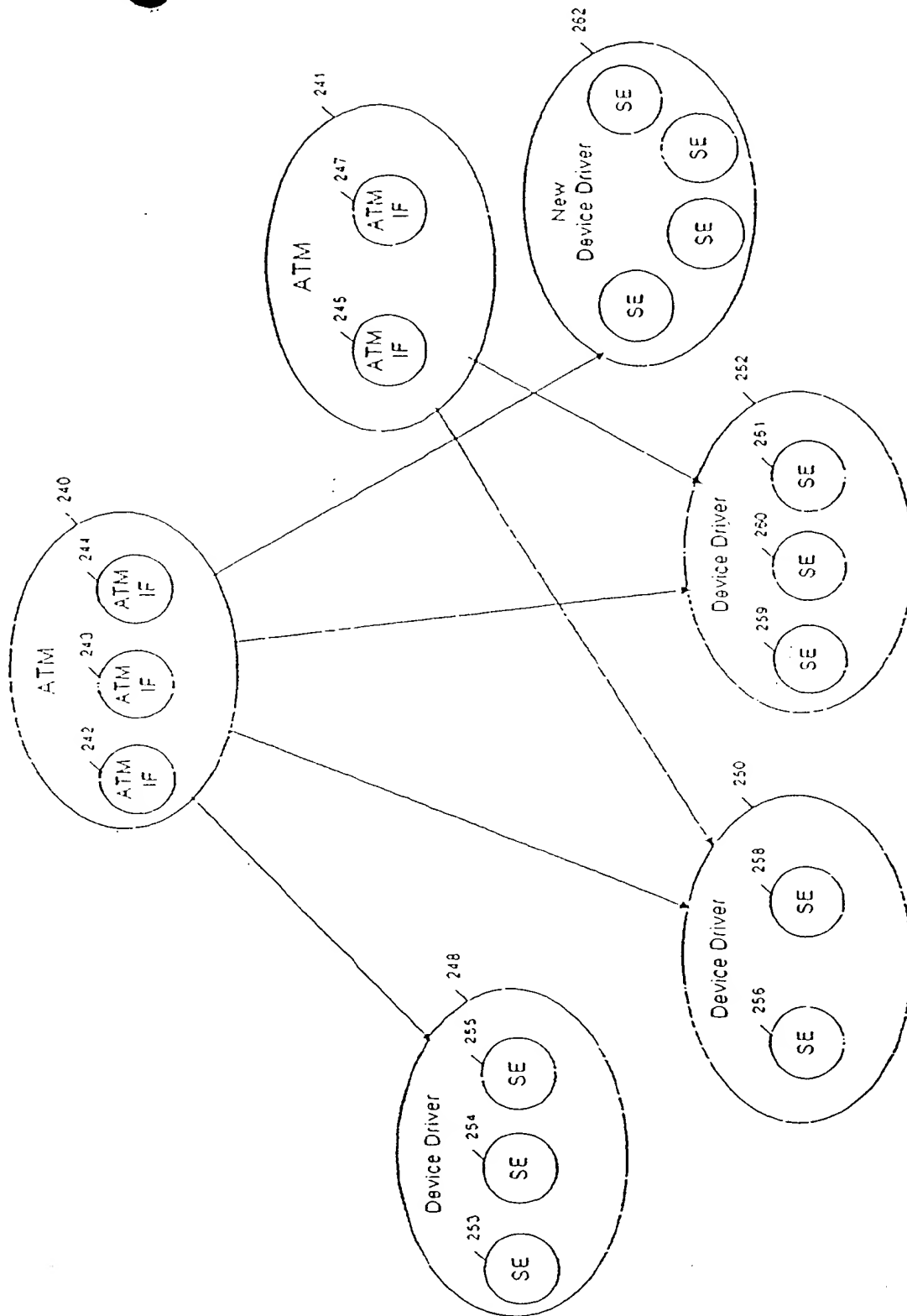


FIG. 16b

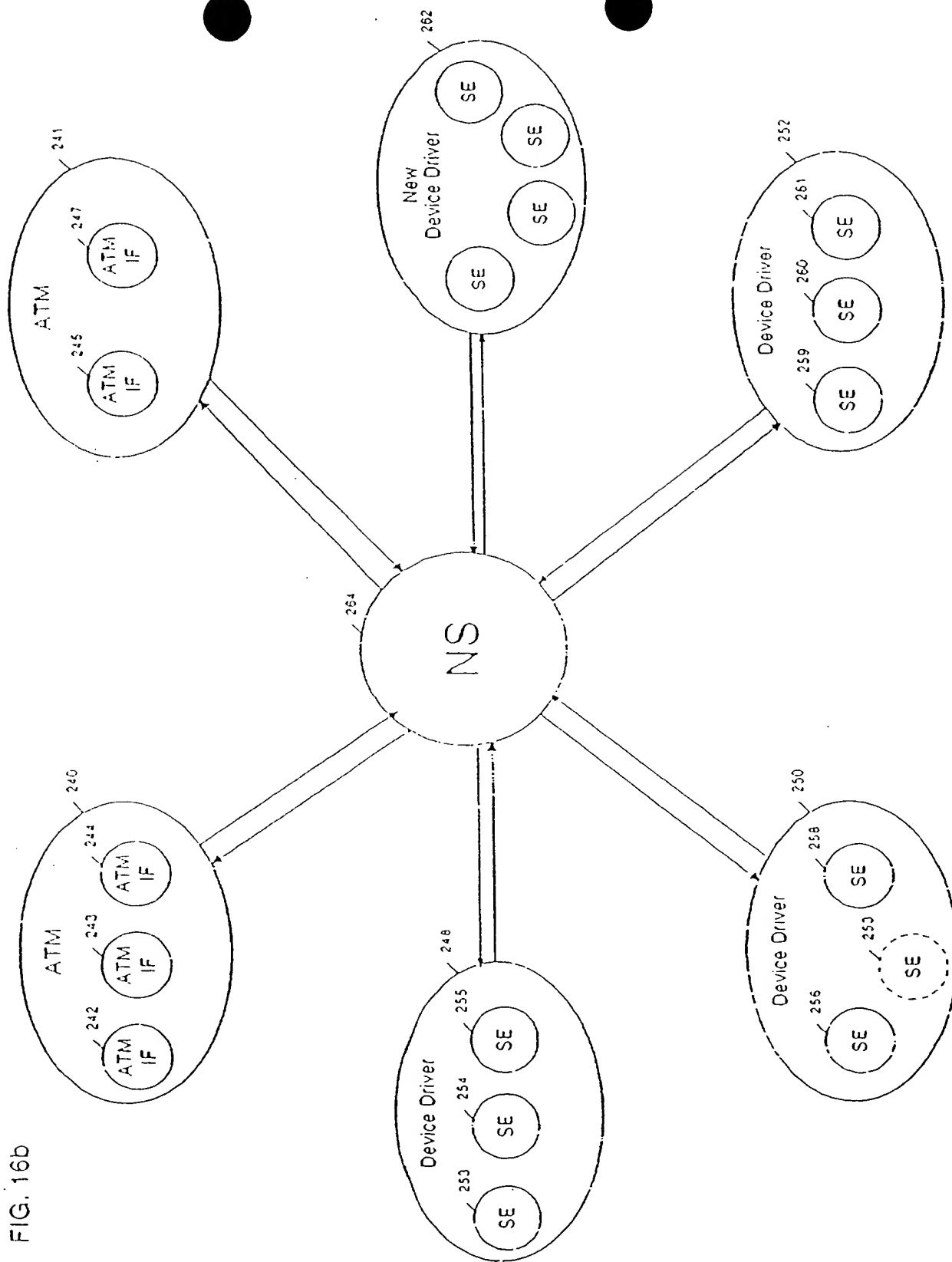
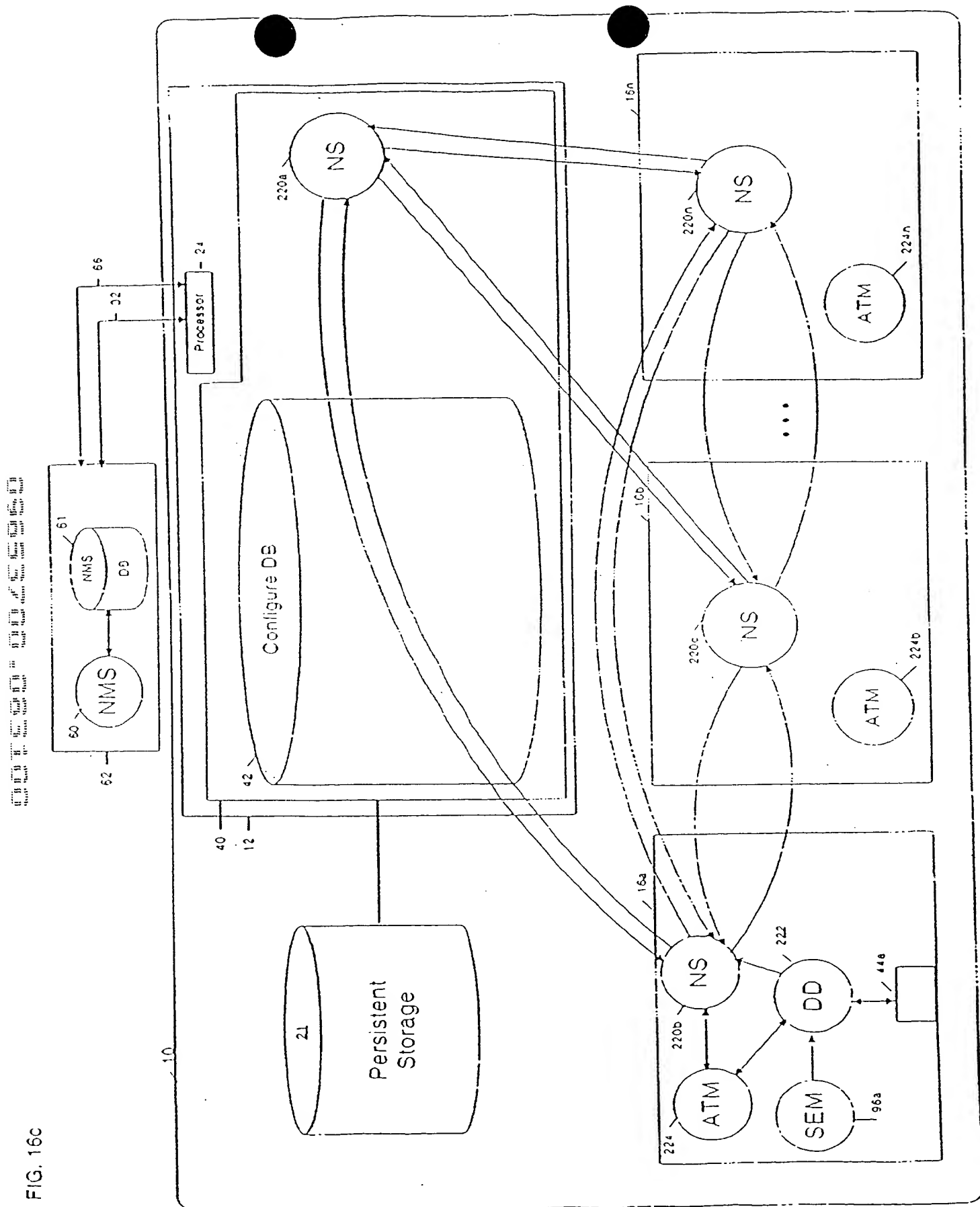
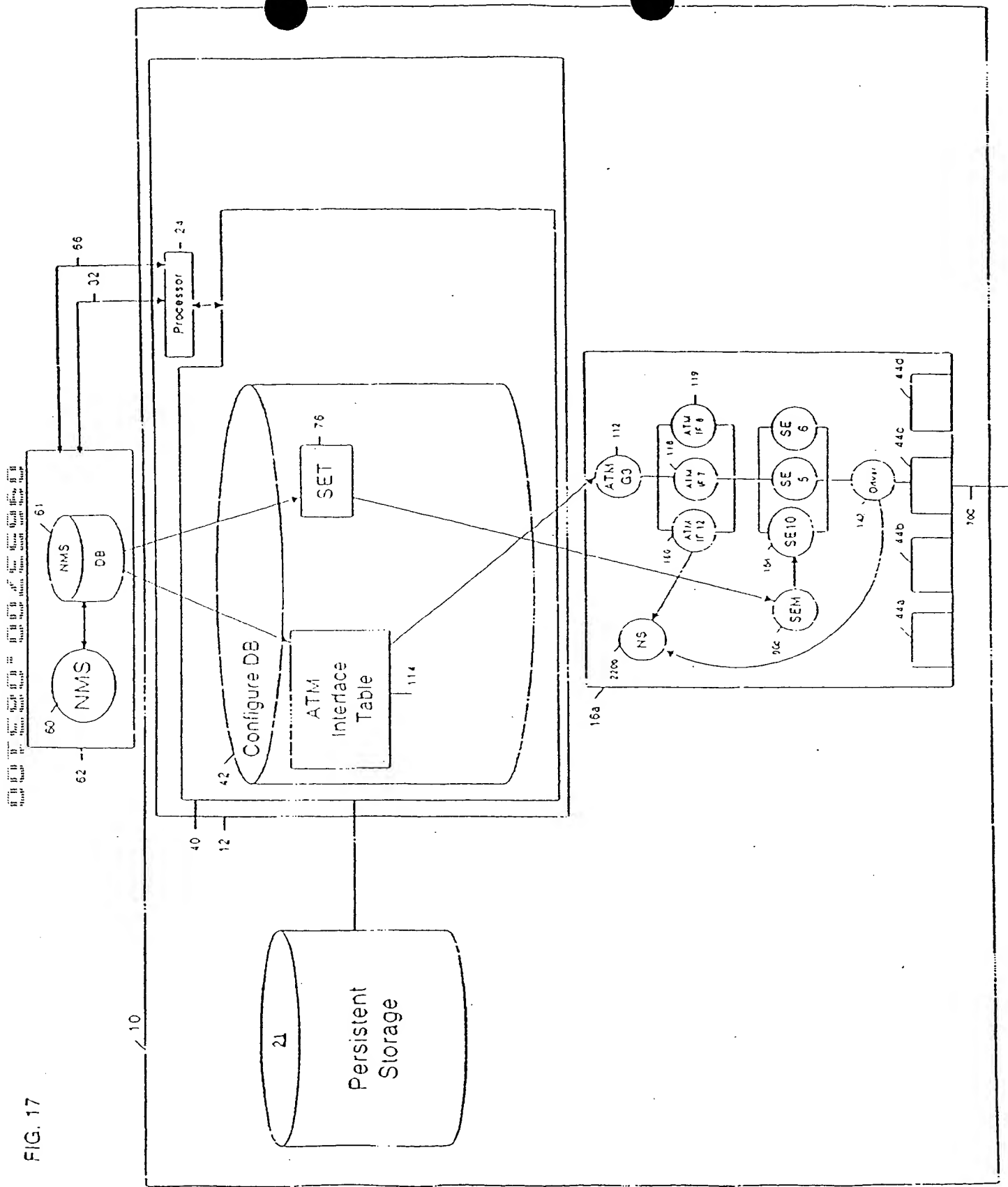


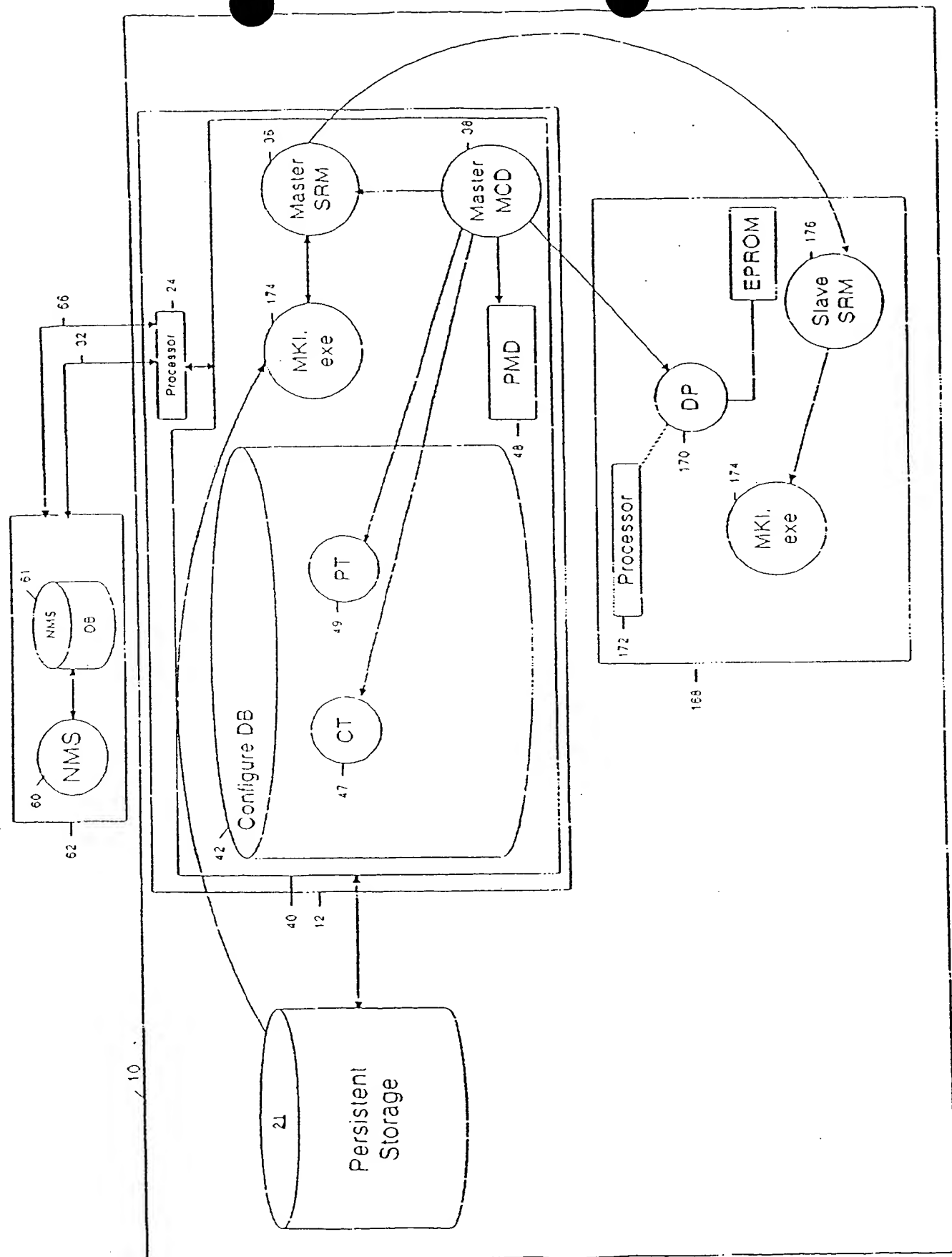
FIG. 16c



[illegible]

FIG. 17



[illegible]

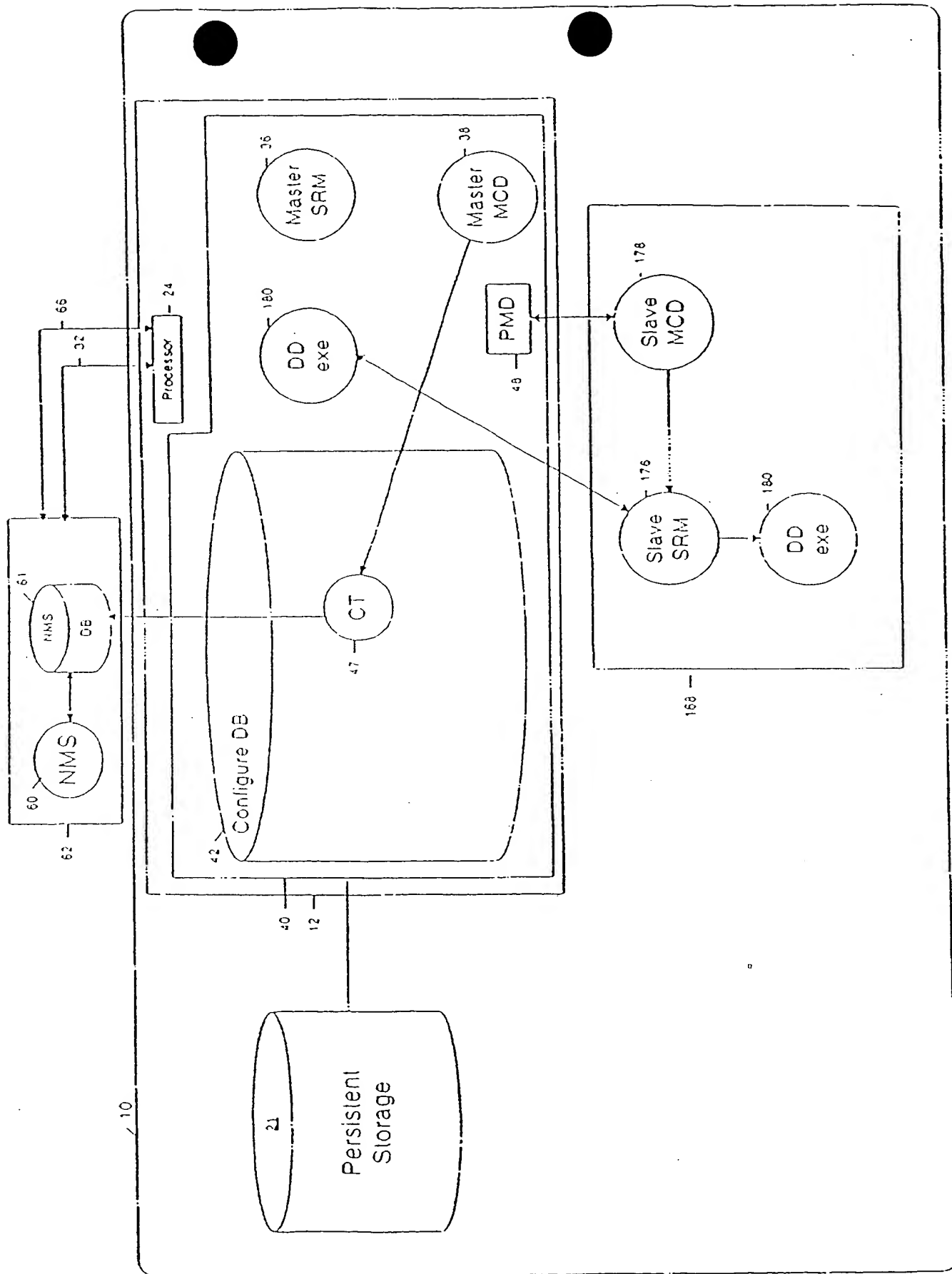


FIG. 20

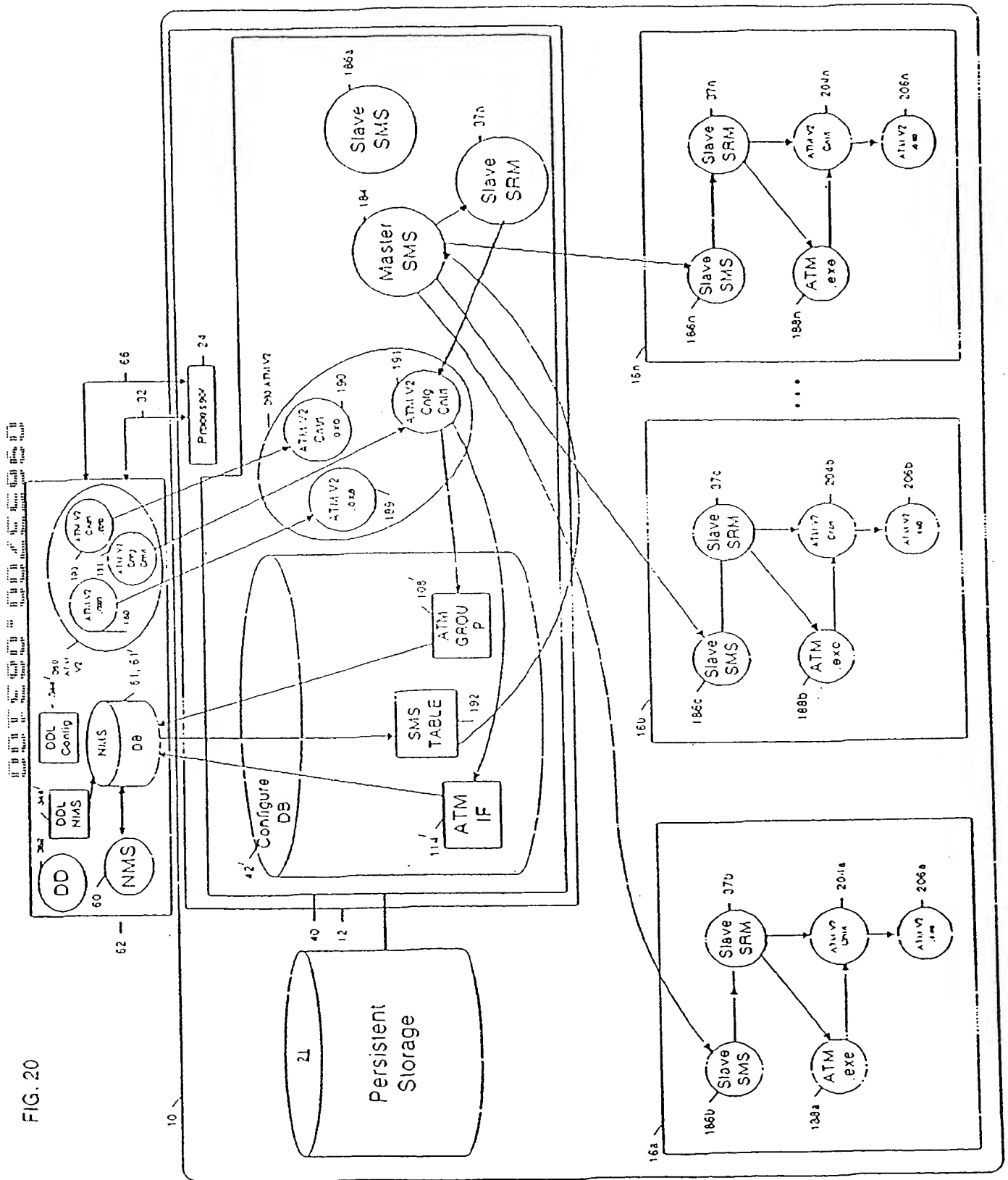


FIG. 21

FIG. 21

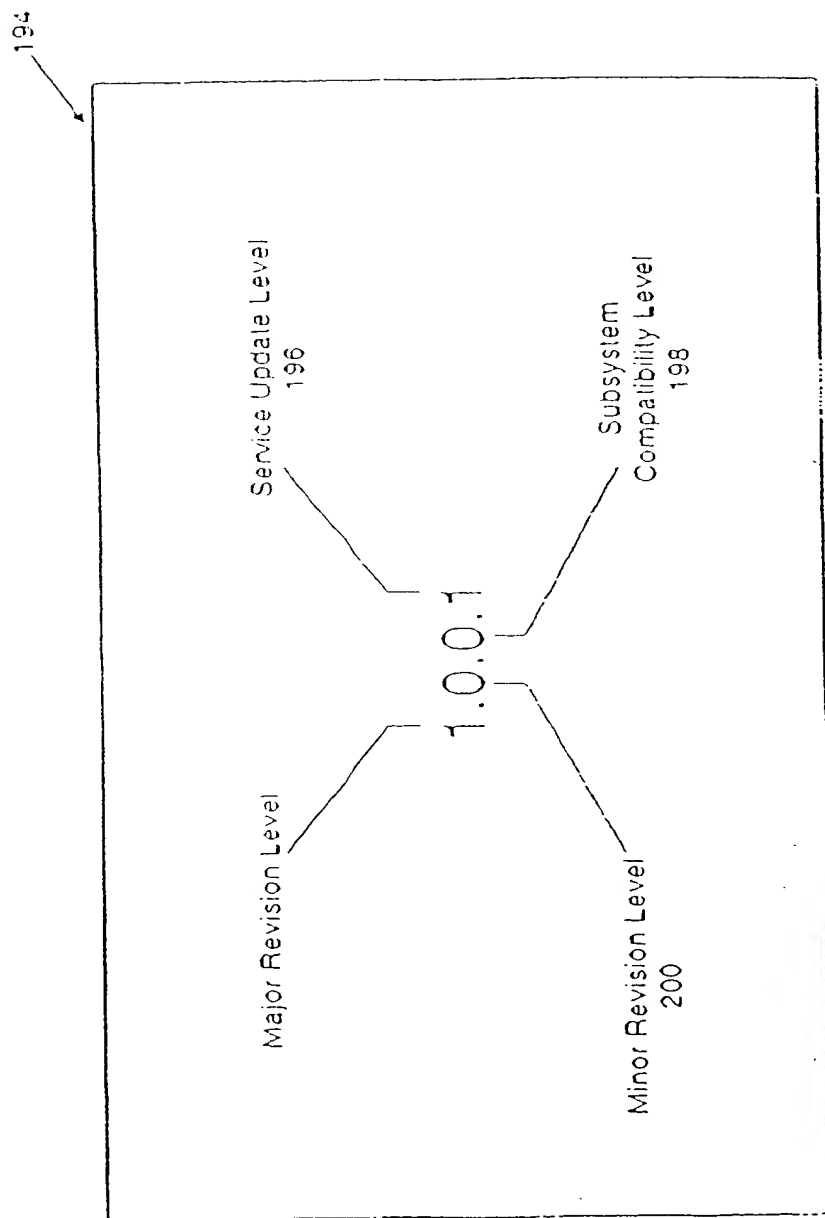


FIG. 22

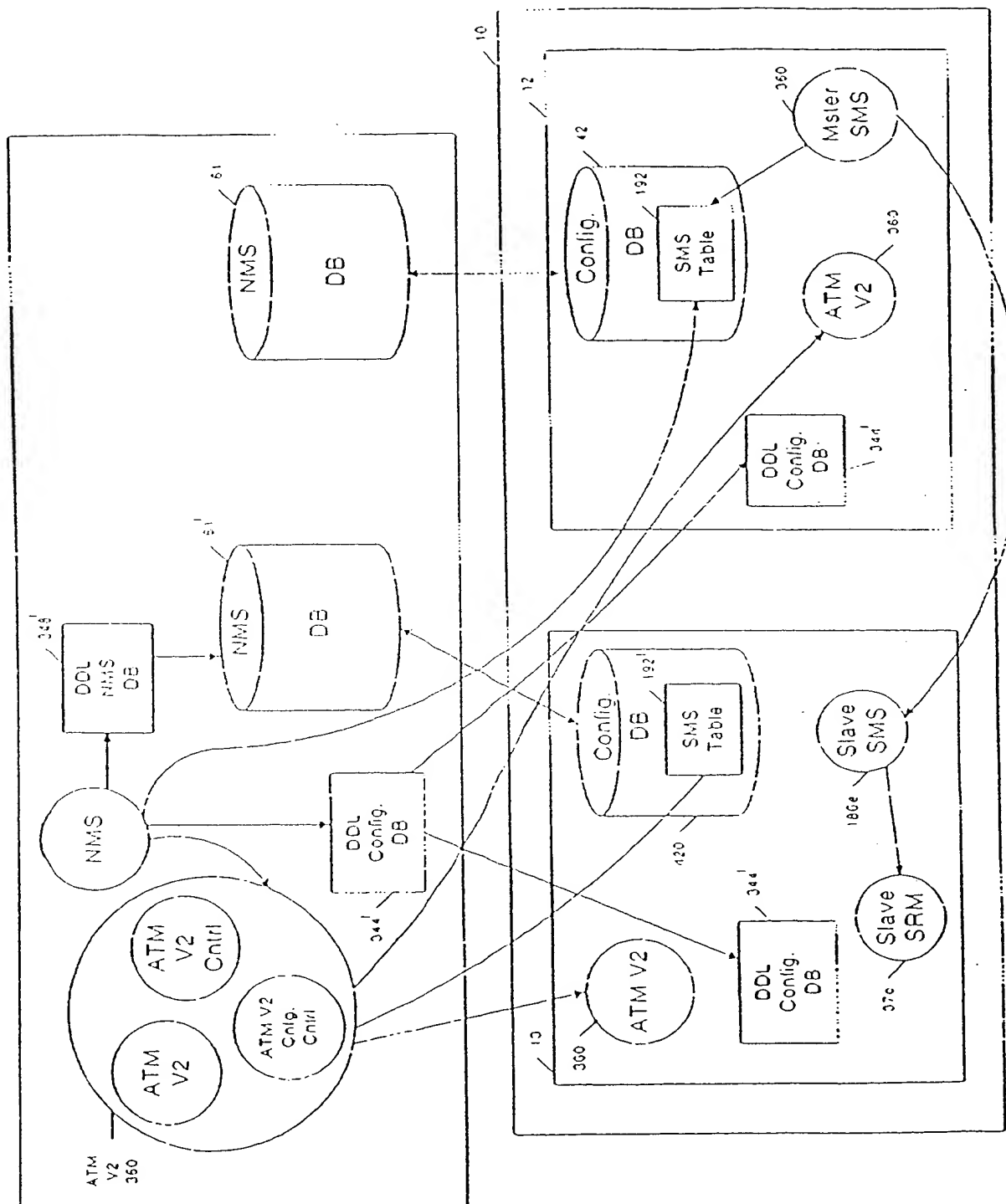


FIG. 23

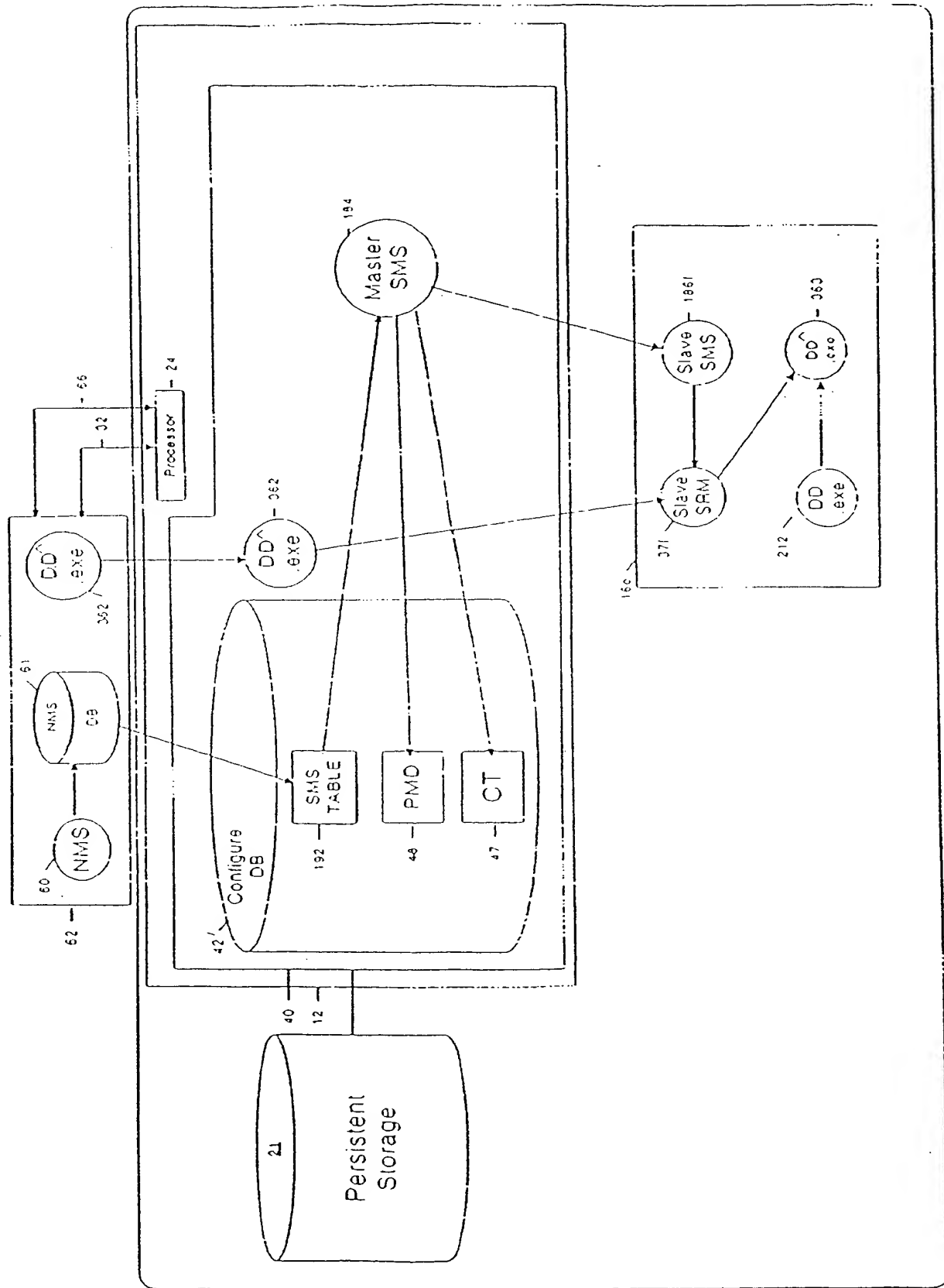


FIG. 24

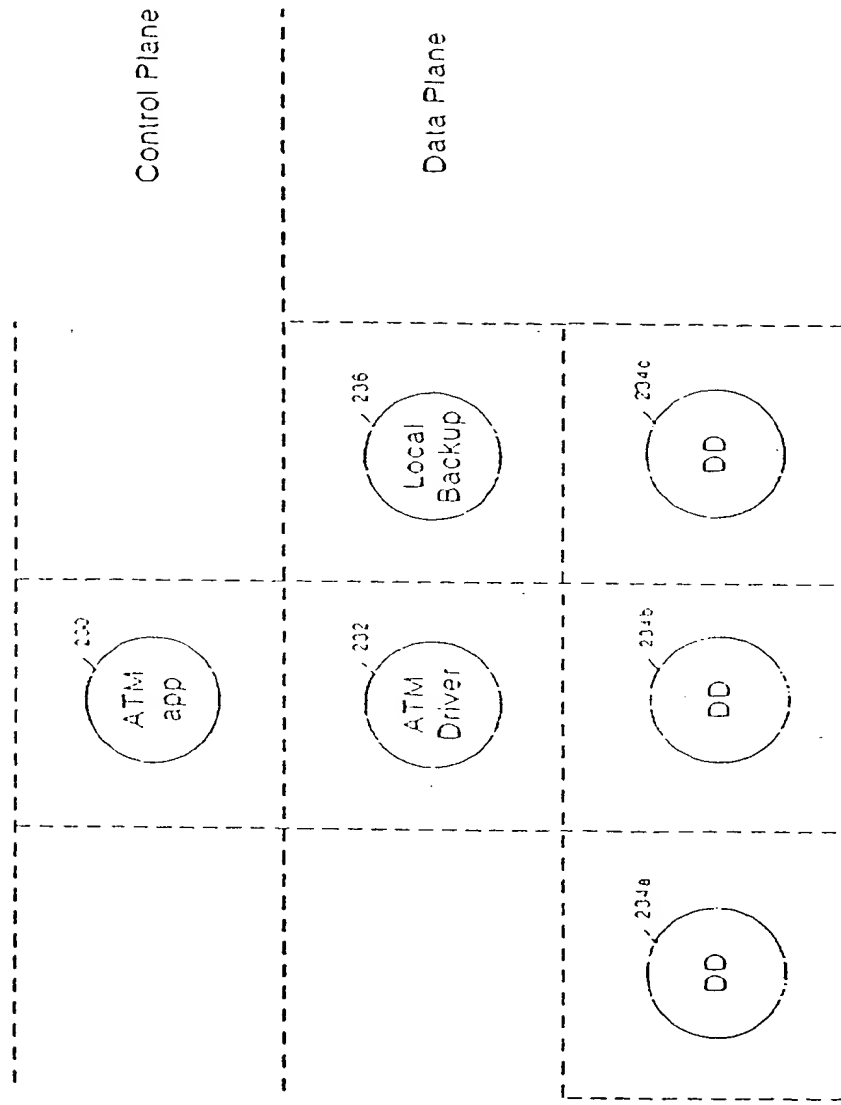


FIG. 25

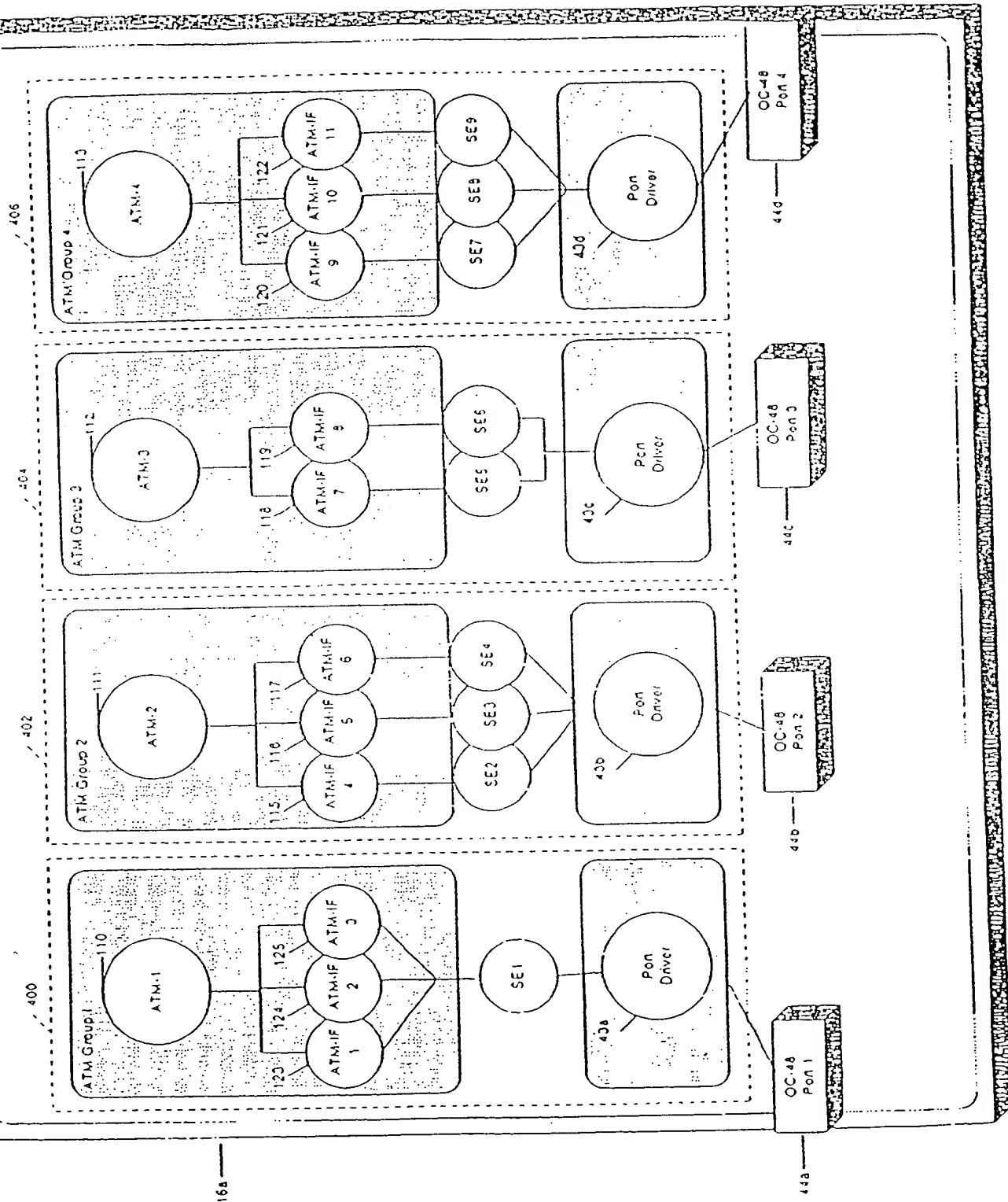


FIG. 26

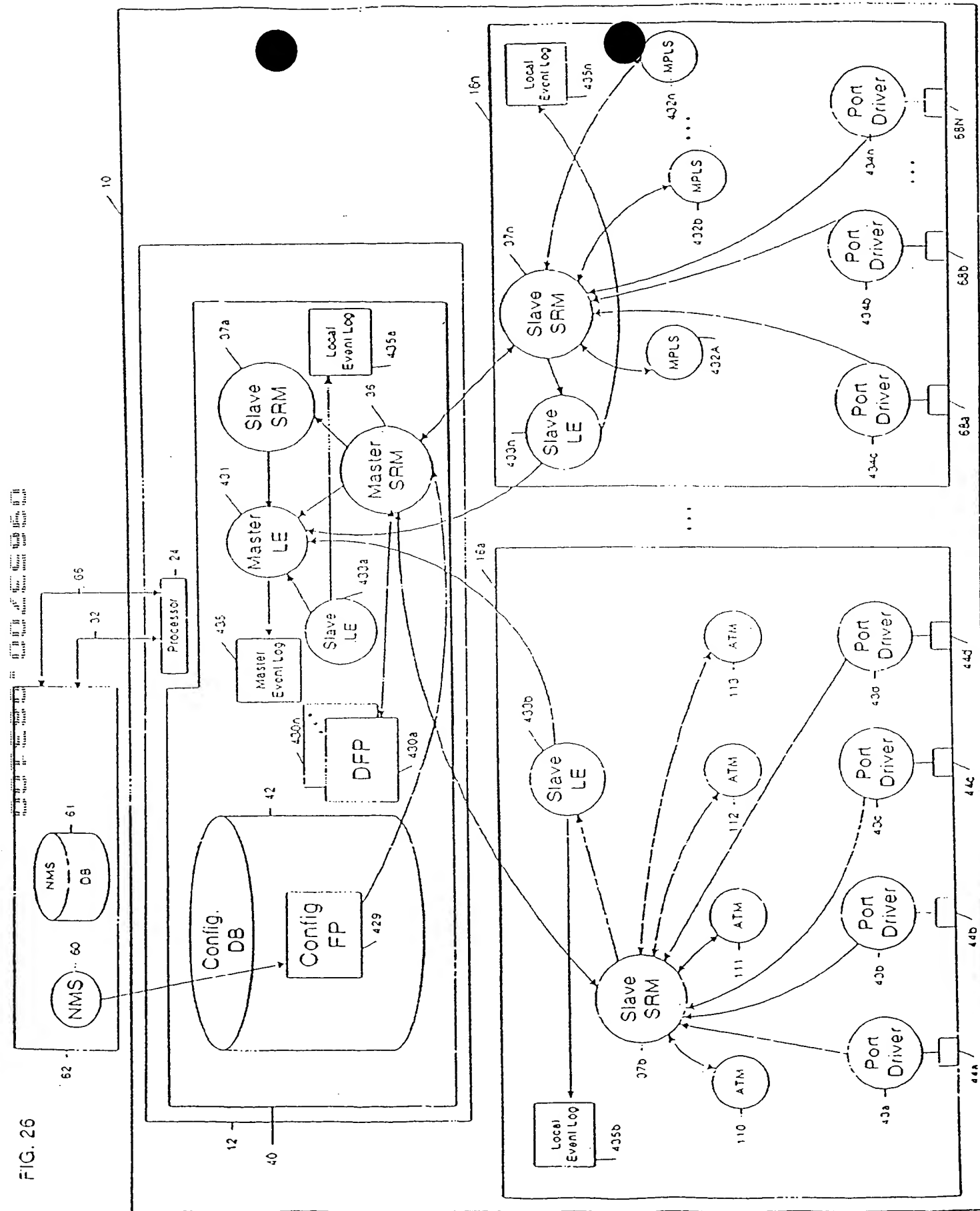


FIG. 27

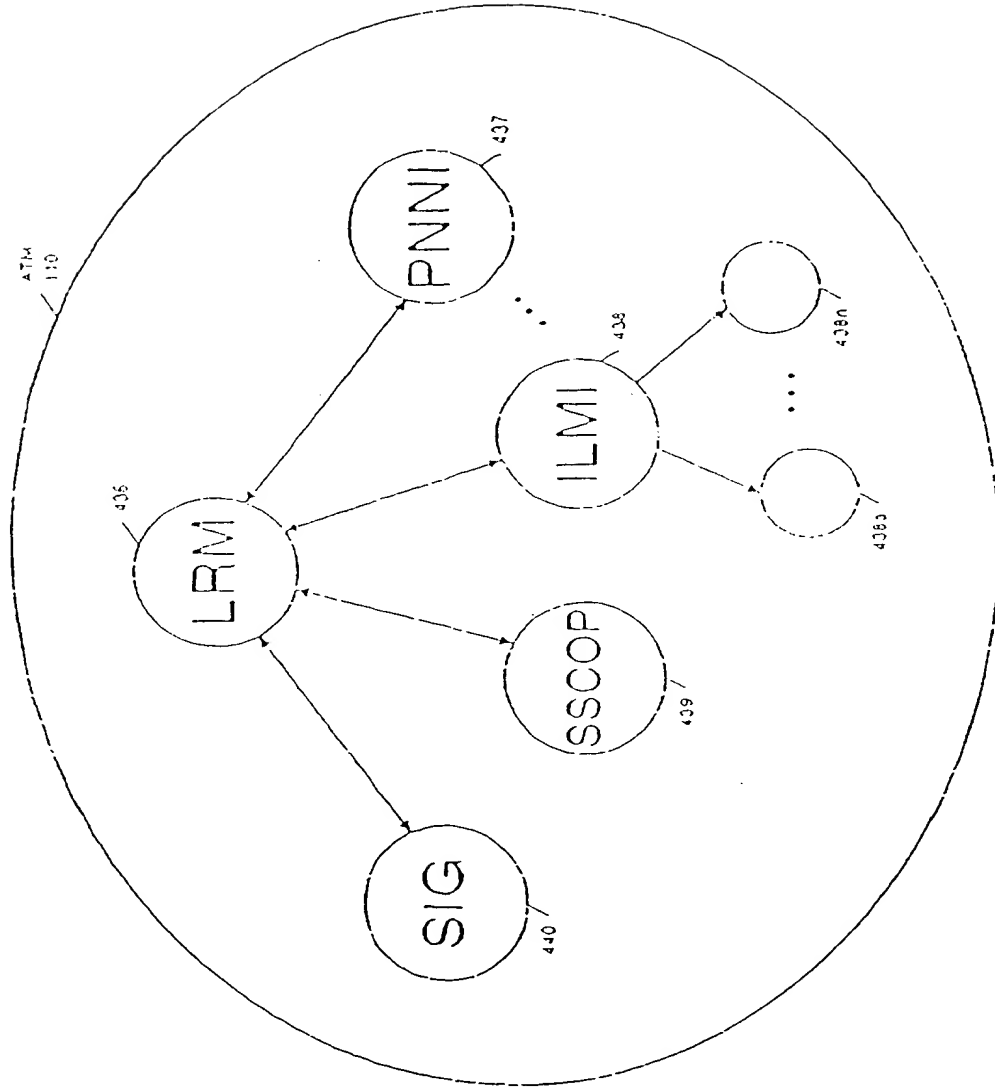


FIG. 28

FIG. 28

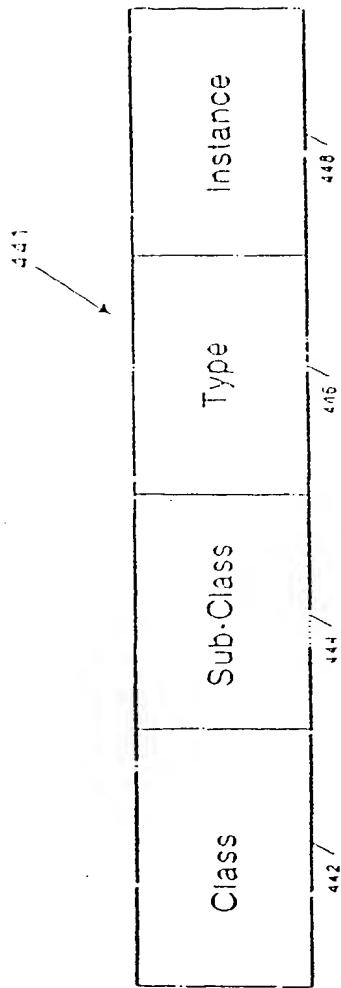
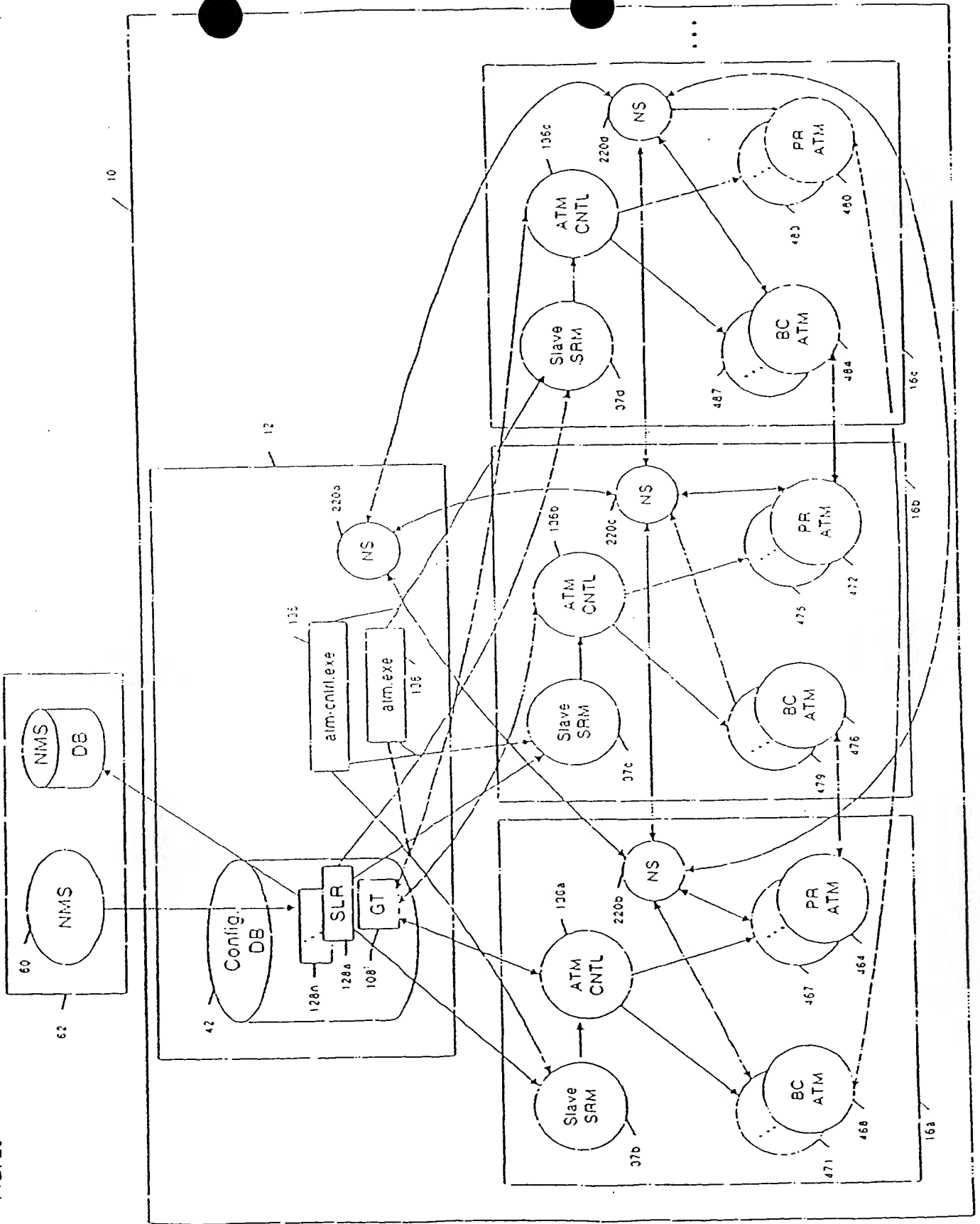


FIG. 29



Group Table 108'

	Group #	Primary Card LID	Backup Card LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

Fig. 31a

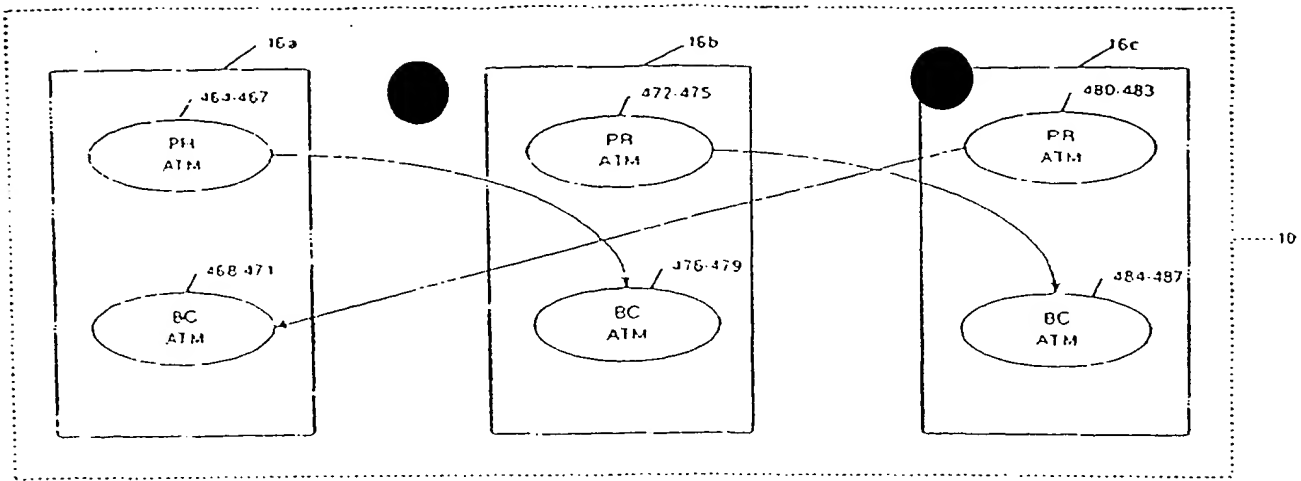


Fig. 31b

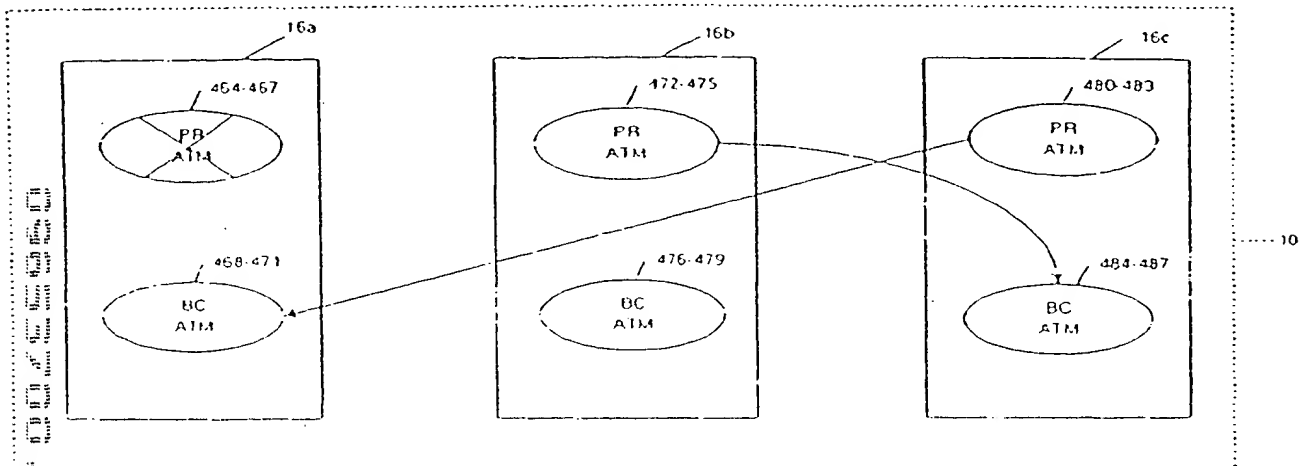


Fig. 31c

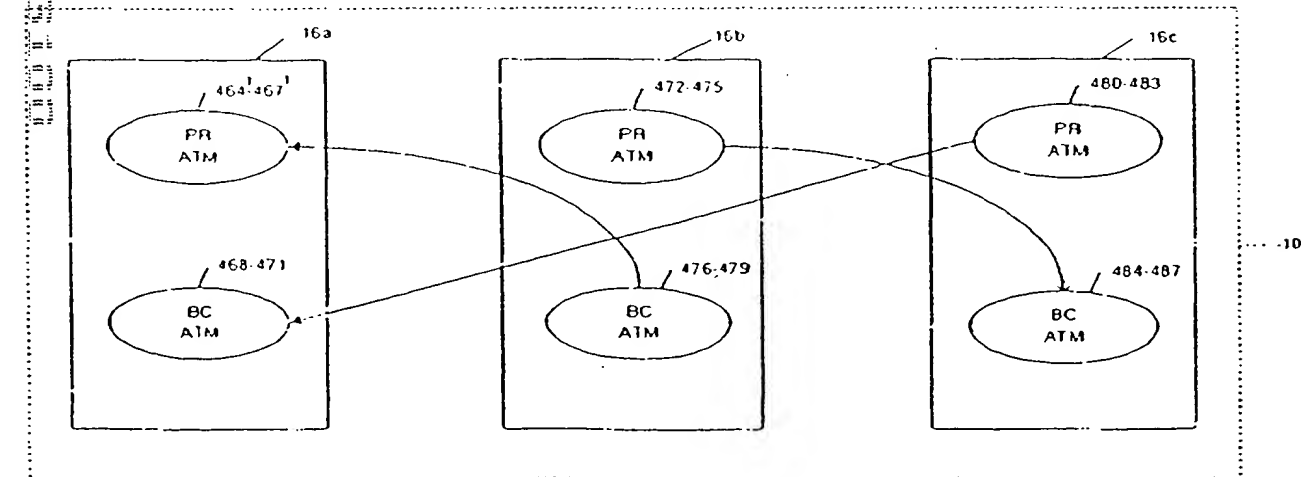


Fig. 32a

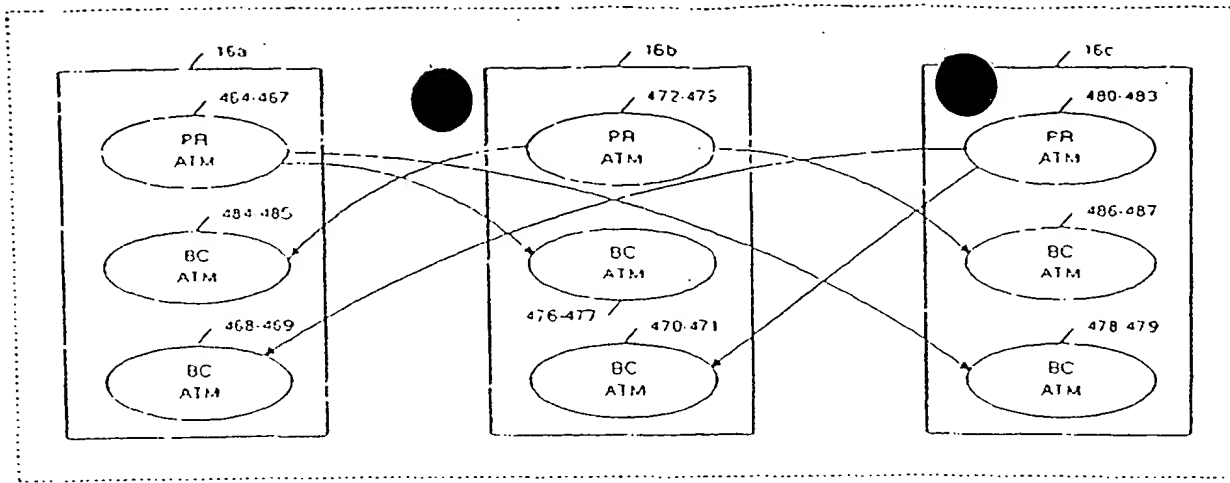


Fig. 32b

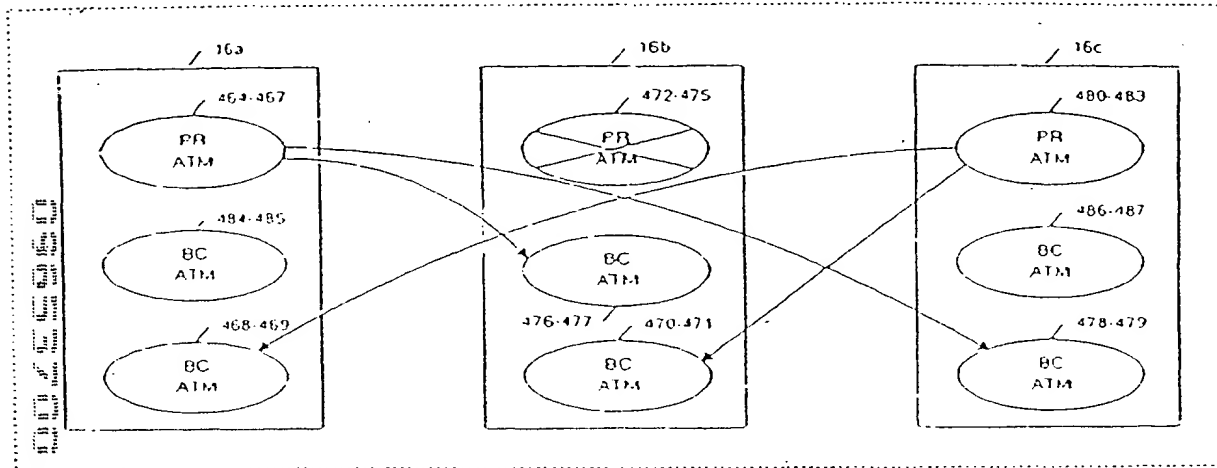


Fig. 32c

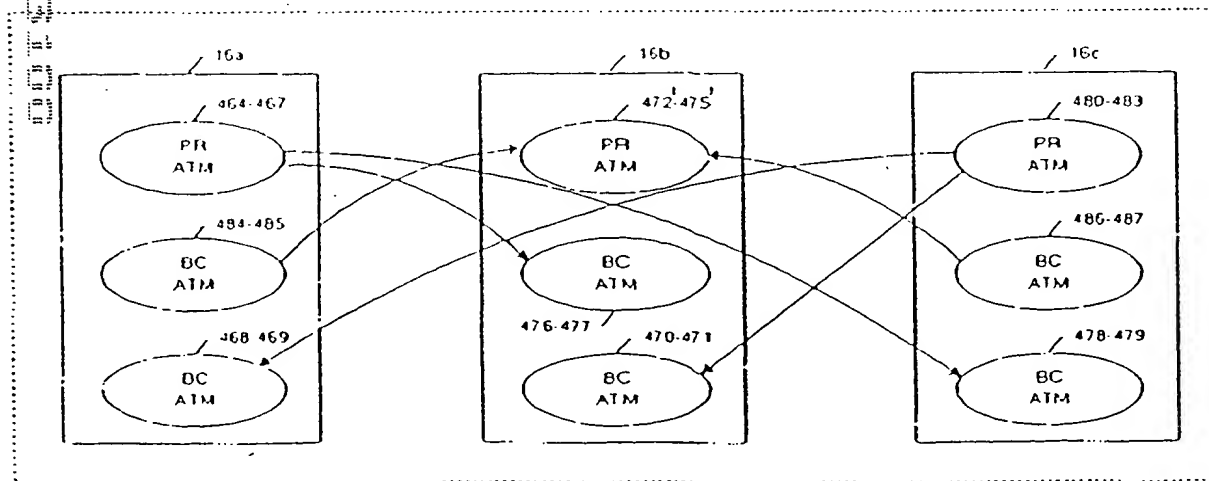


FIG. 33a

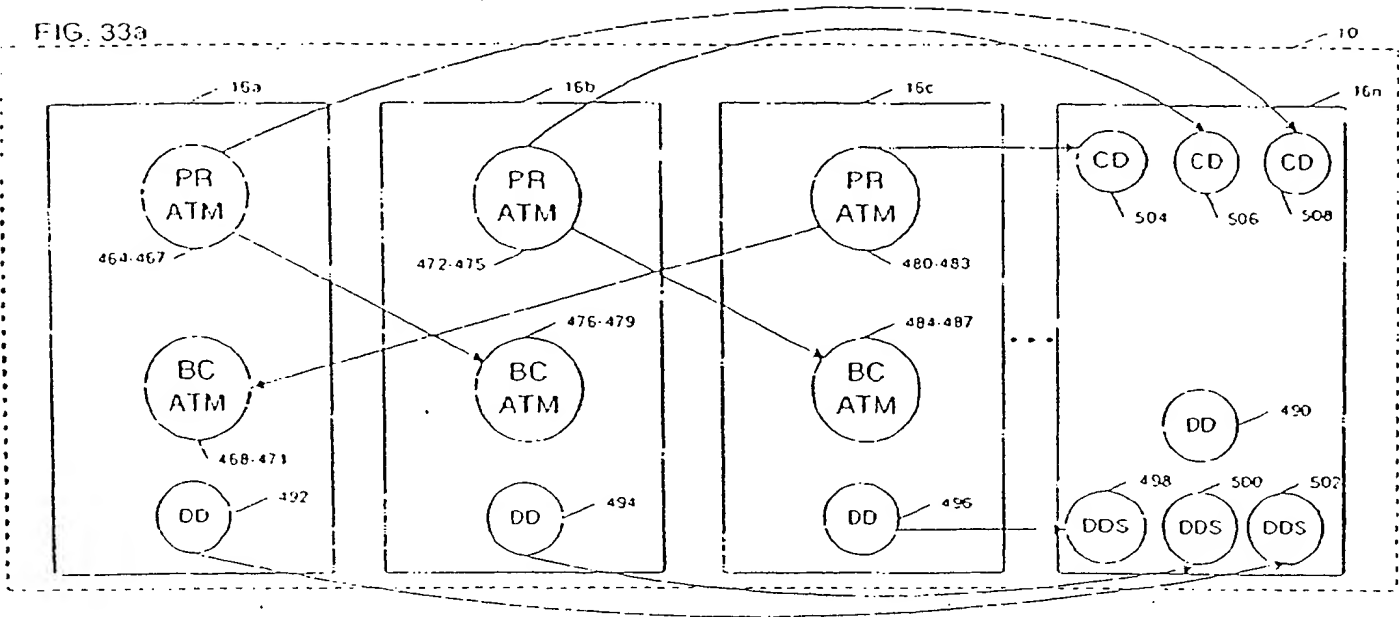


FIG. 33b

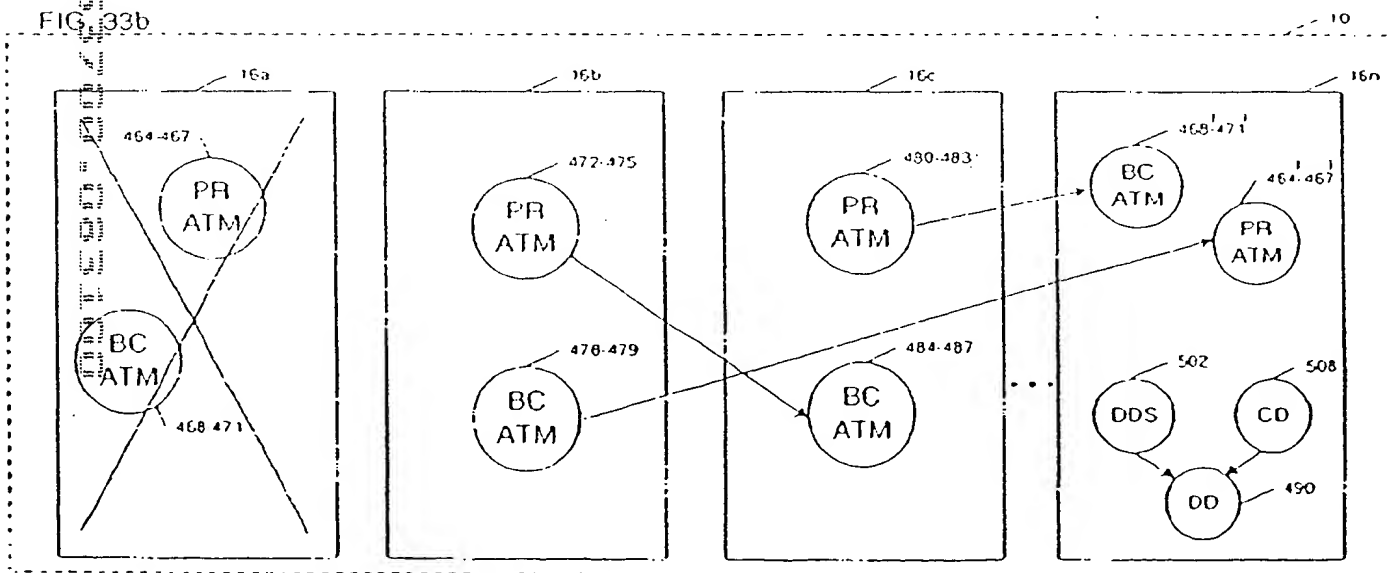


FIG. 33c

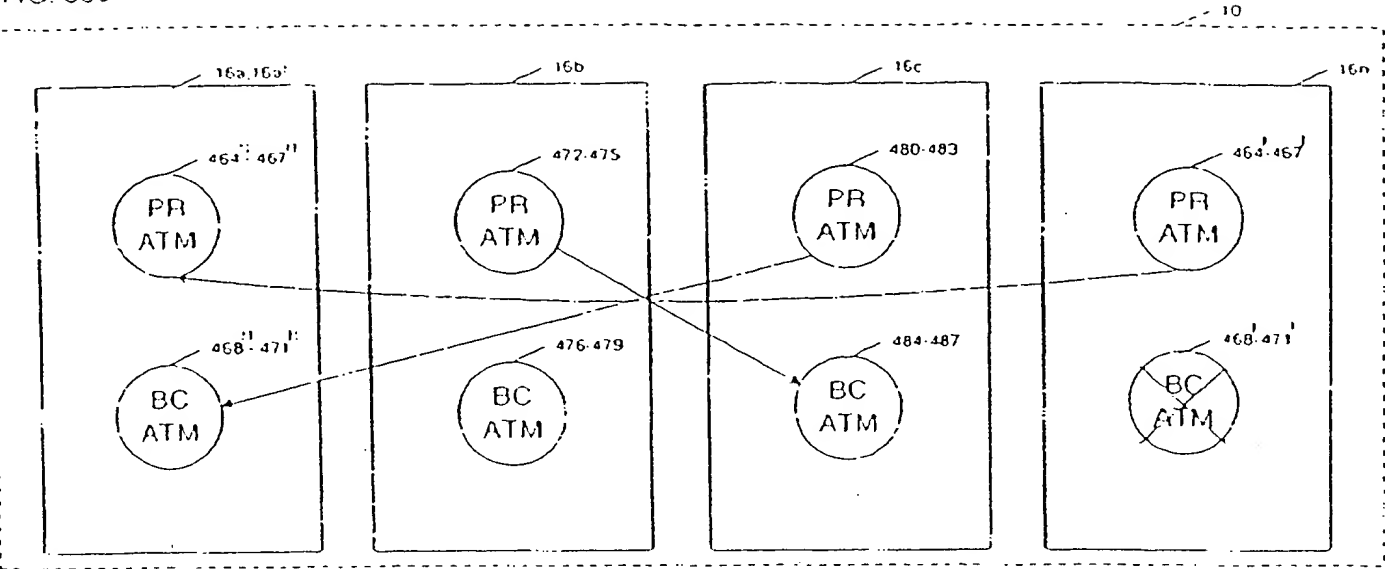


FIG. 33d

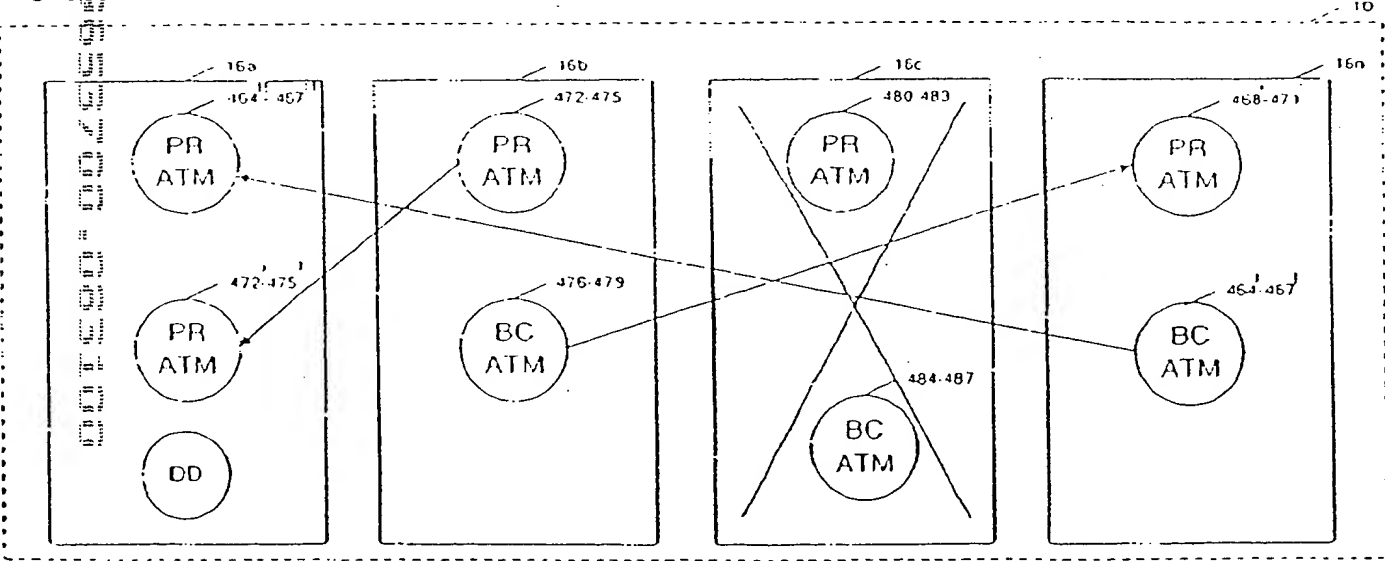


FIG. 34b

FIG. 34b

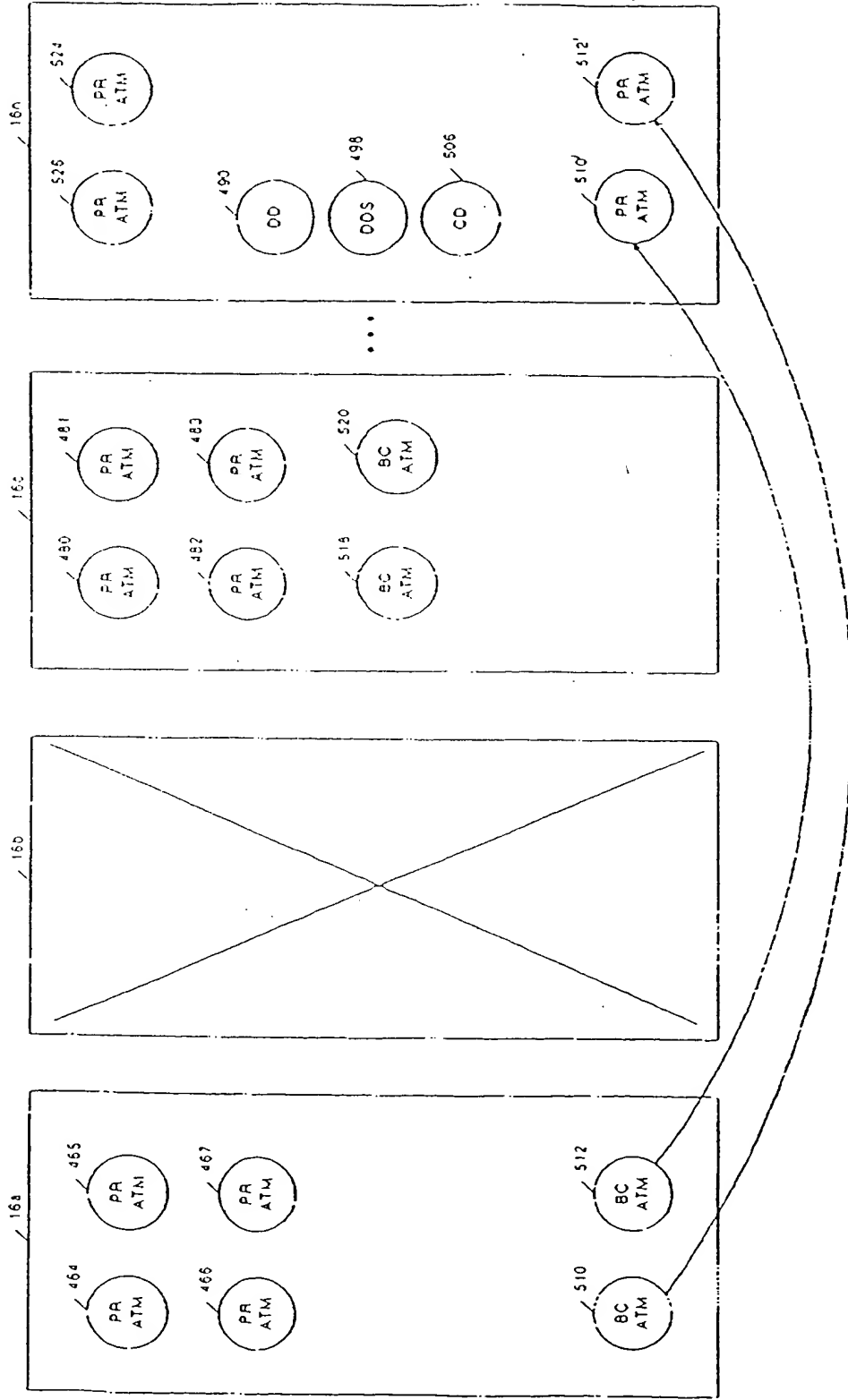


FIG. 35

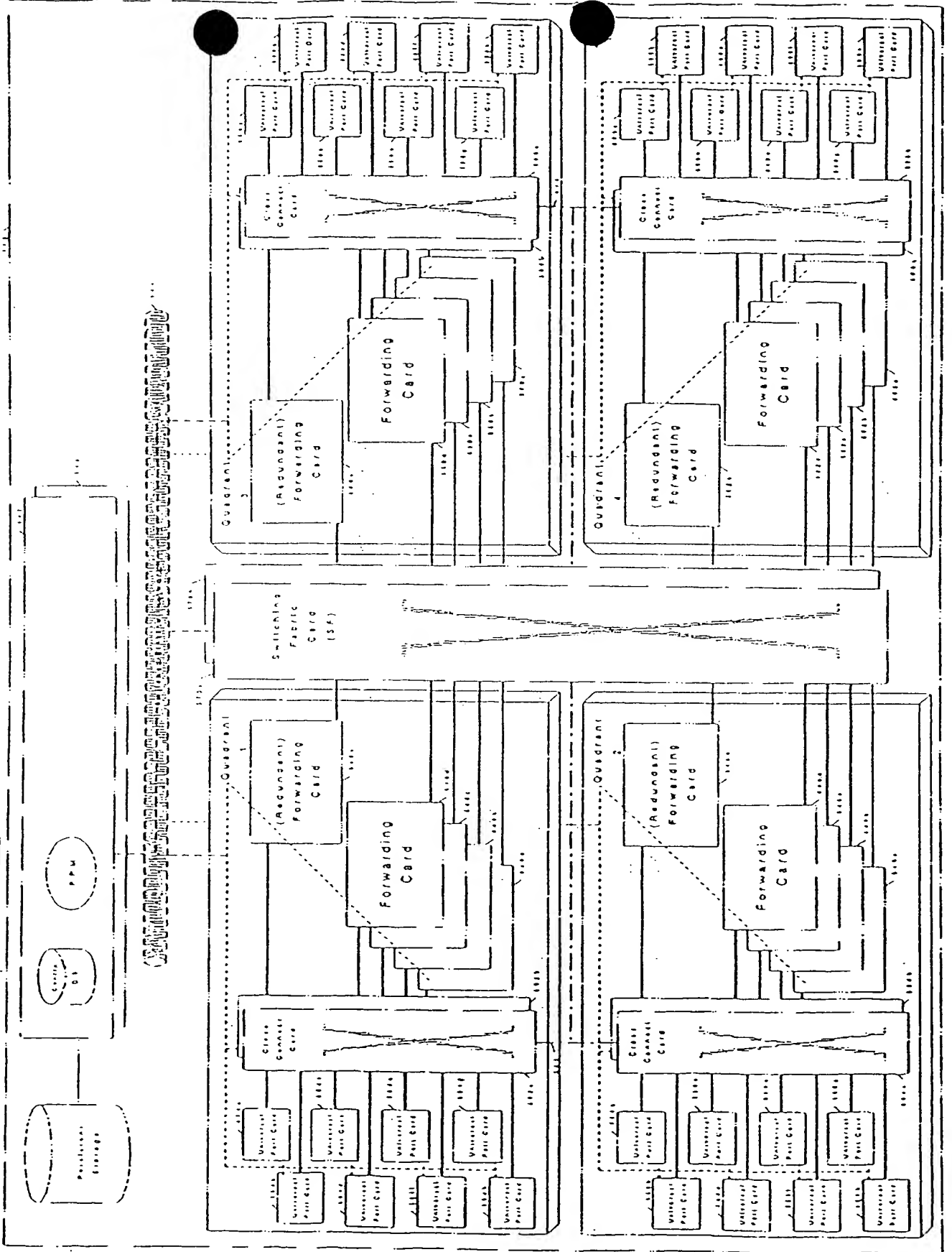


FIG. 36

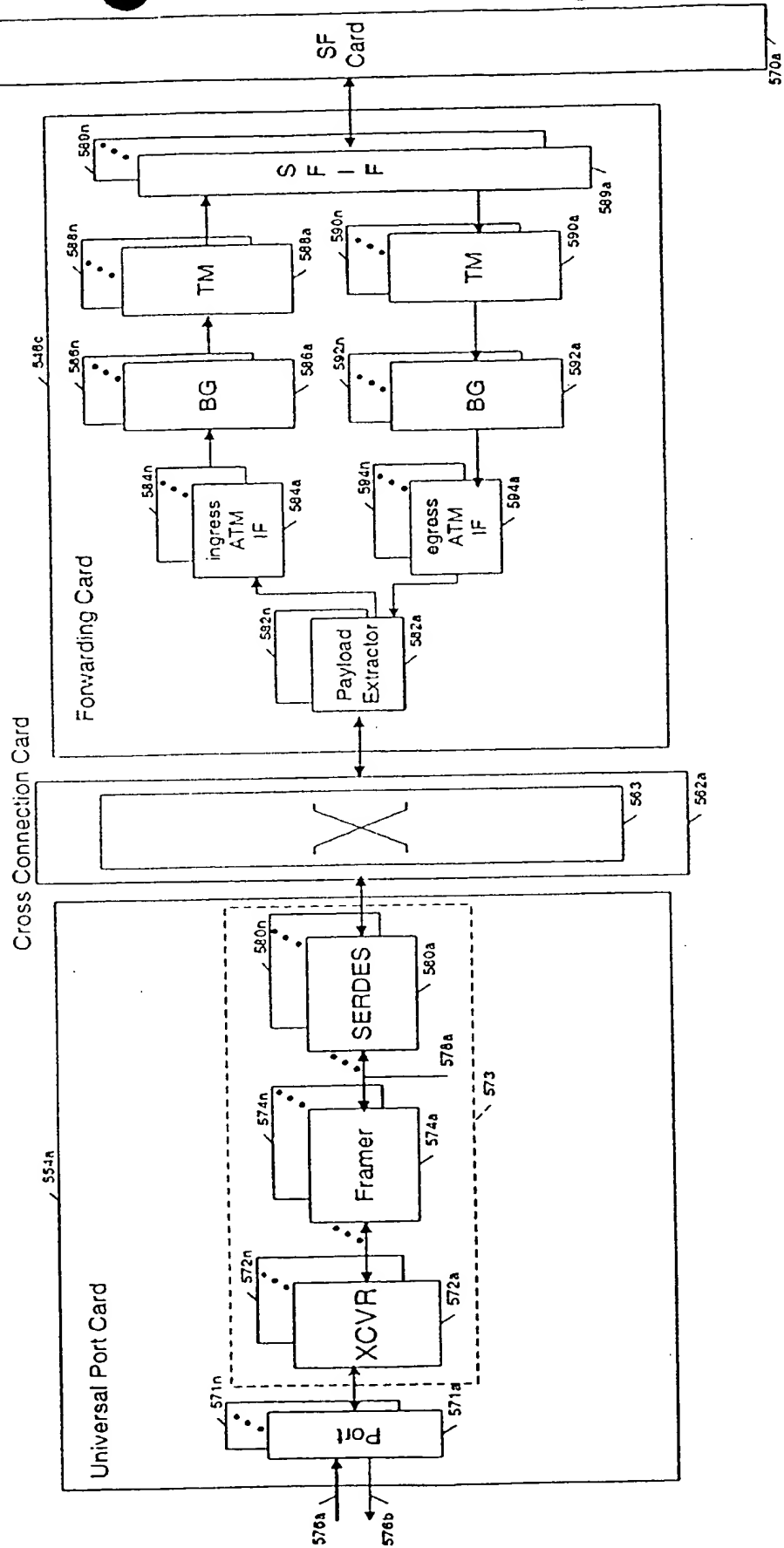


Fig. 57

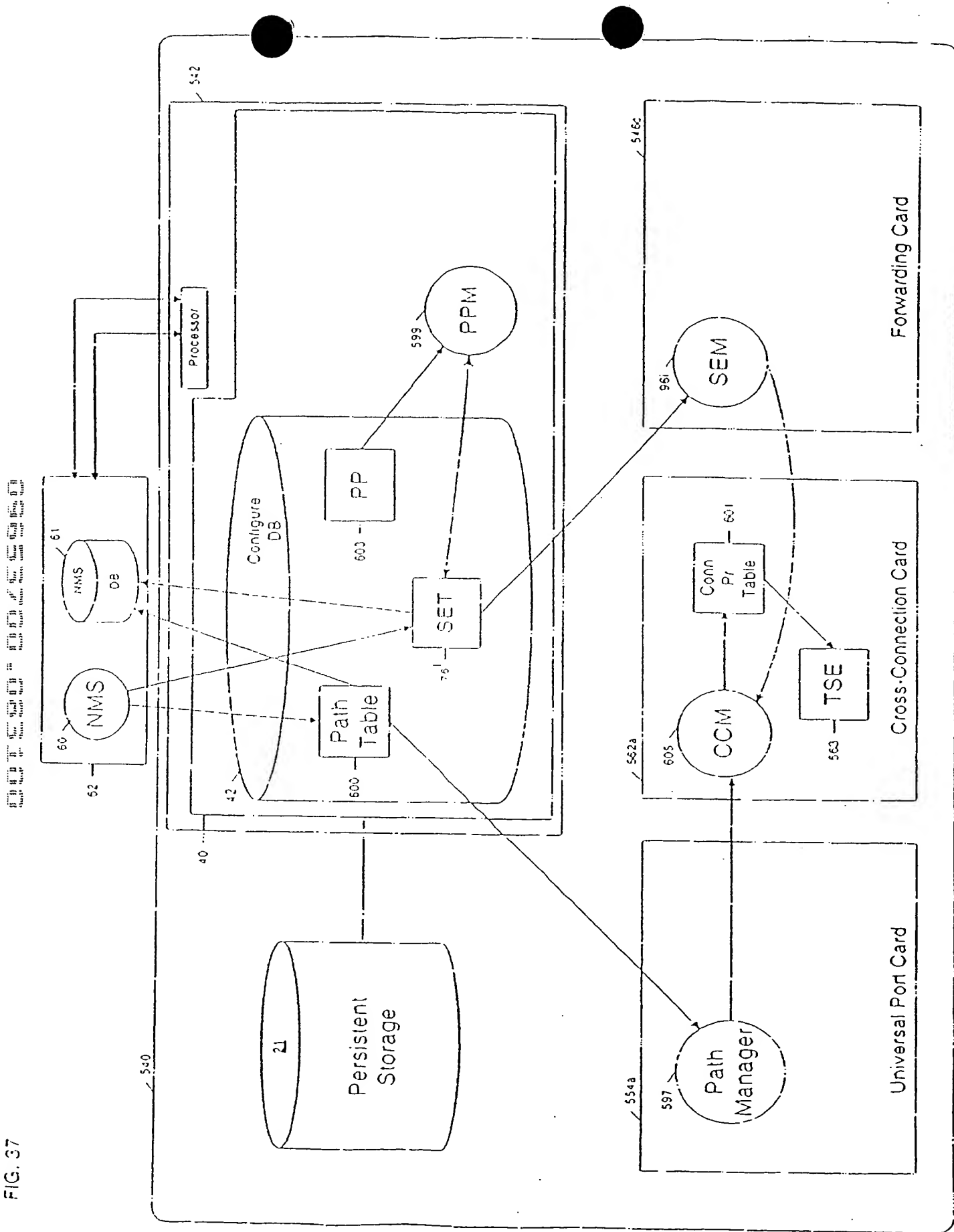


FIG. 38

Path Table 600

602

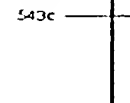
Path LID	UP Port LID	Time Slot	# of Time Slots	...
1666	1231	4	3	
...

FIG. 39

Service End Point Table 76'

SE #	Q #	FC LID	FC Slice	FC Time Slot	Path PID	...
878	1				1666	
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:

Front



Back



526

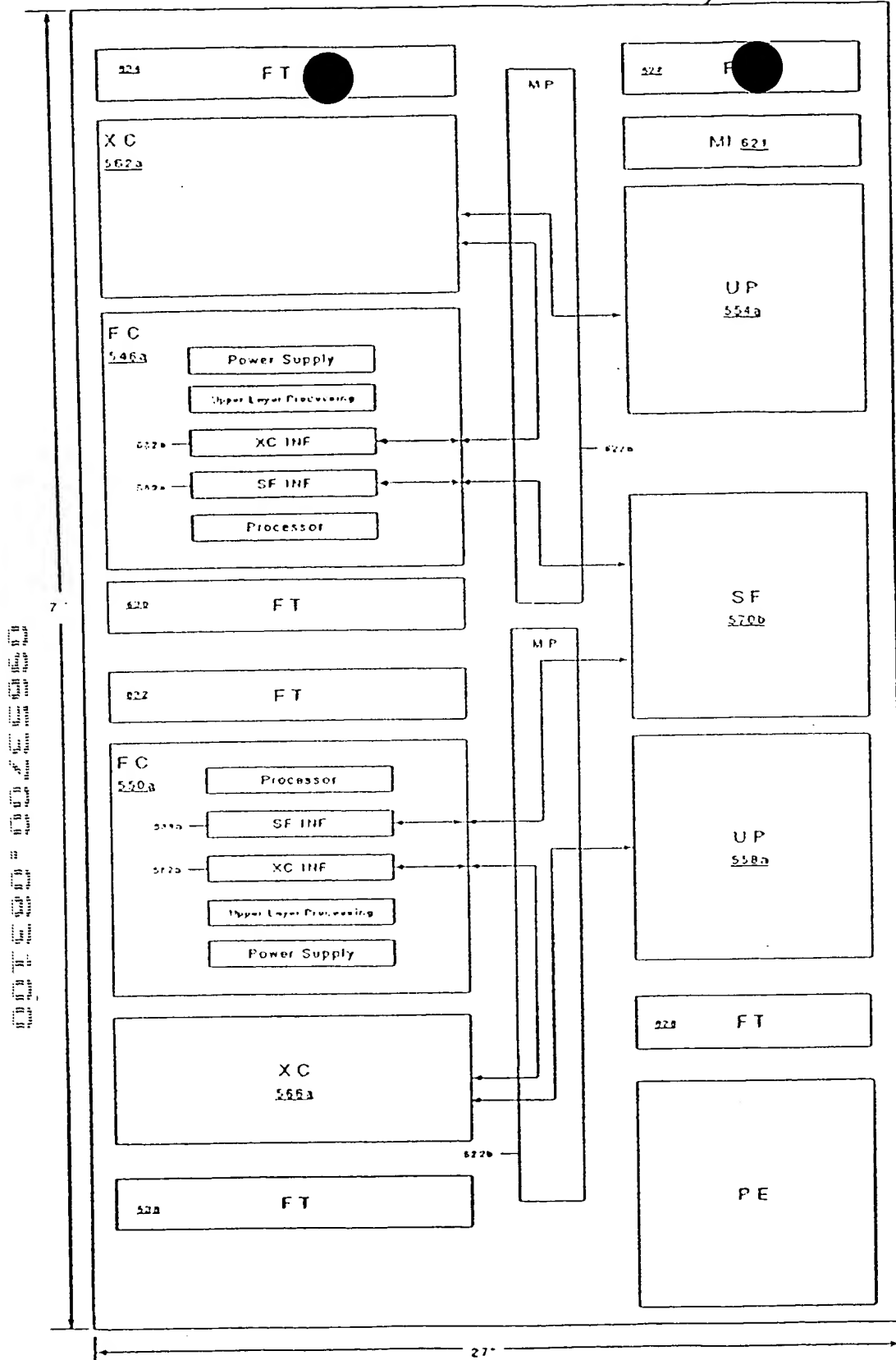


FIG. 42

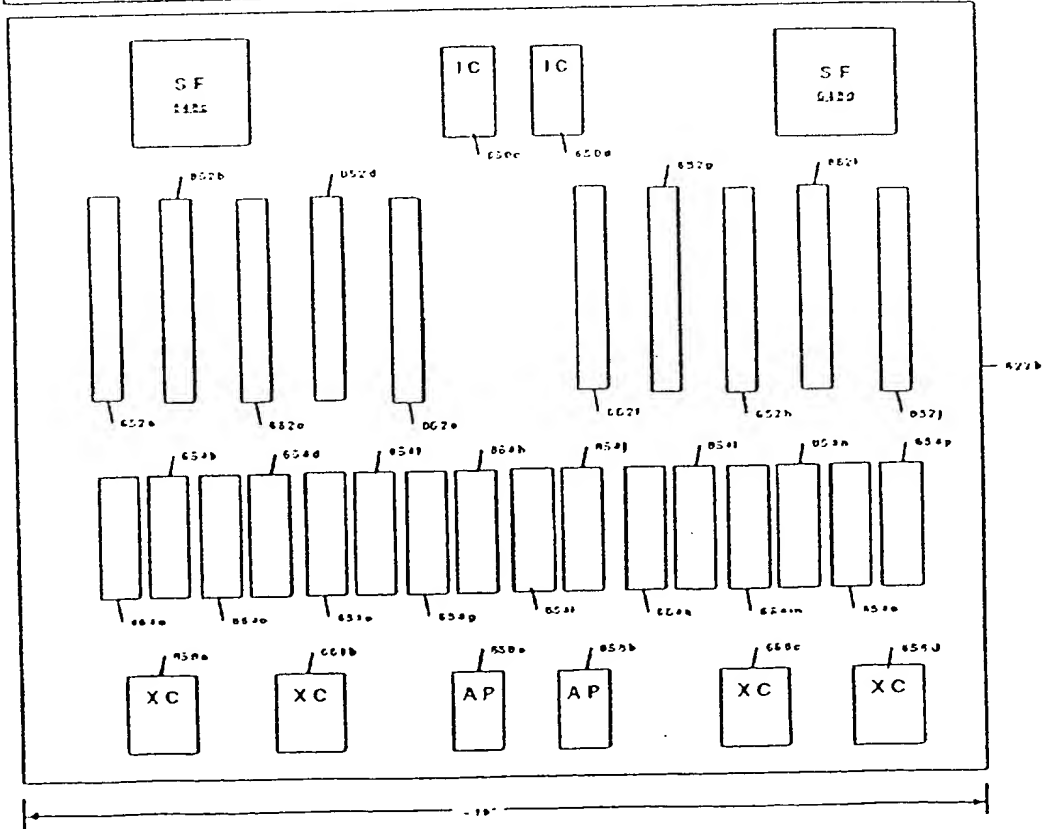
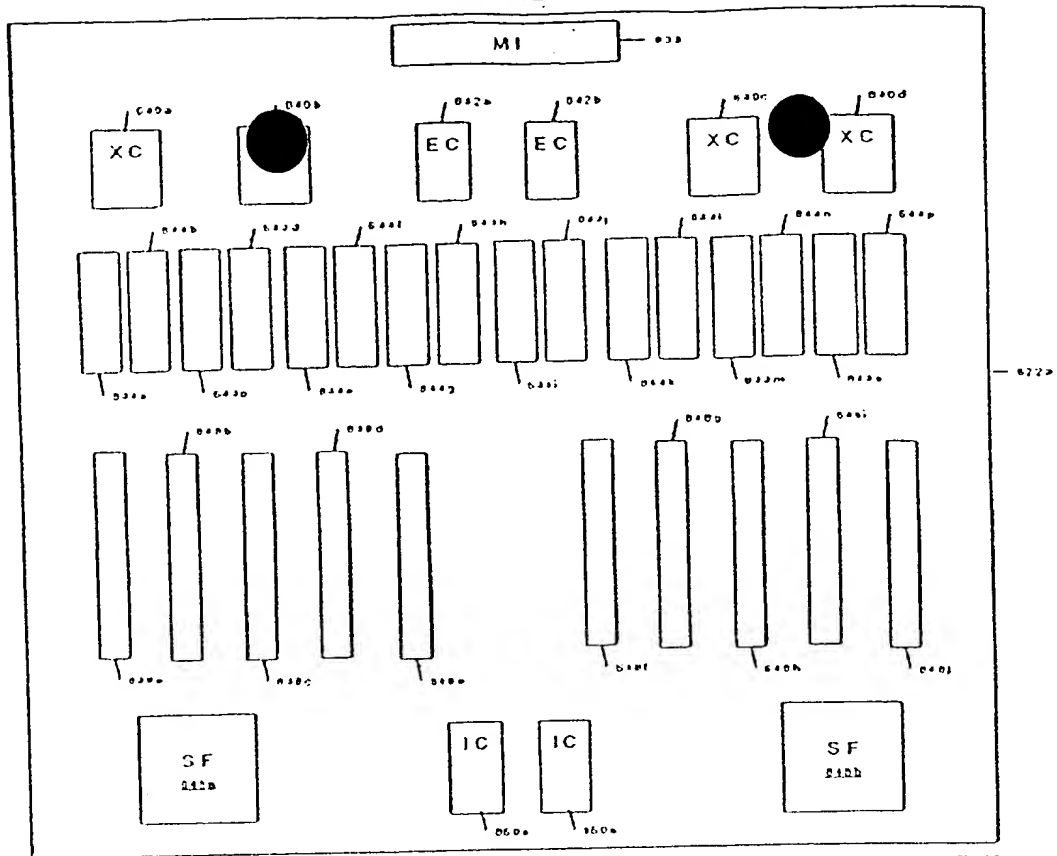
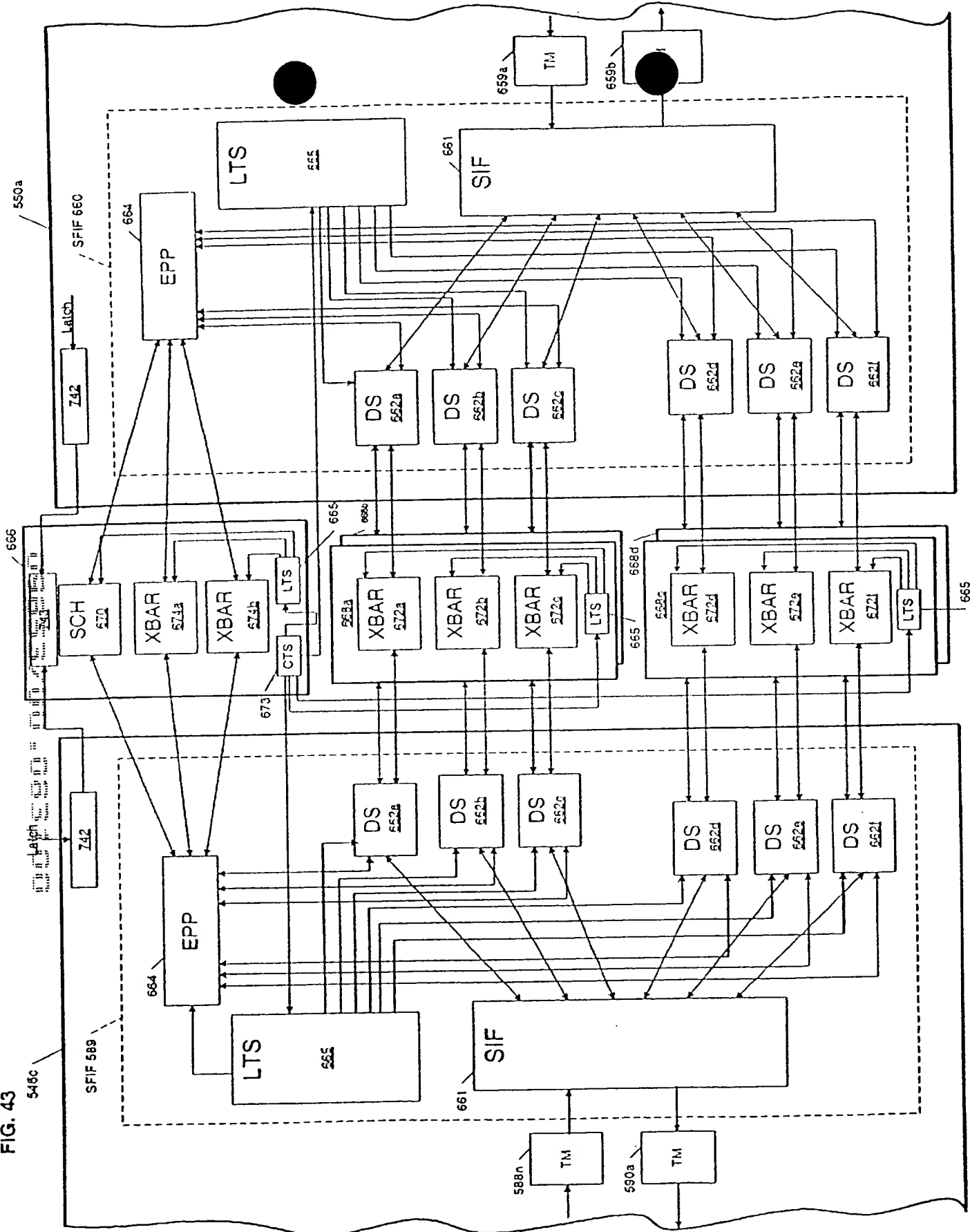


FIG. 43



540

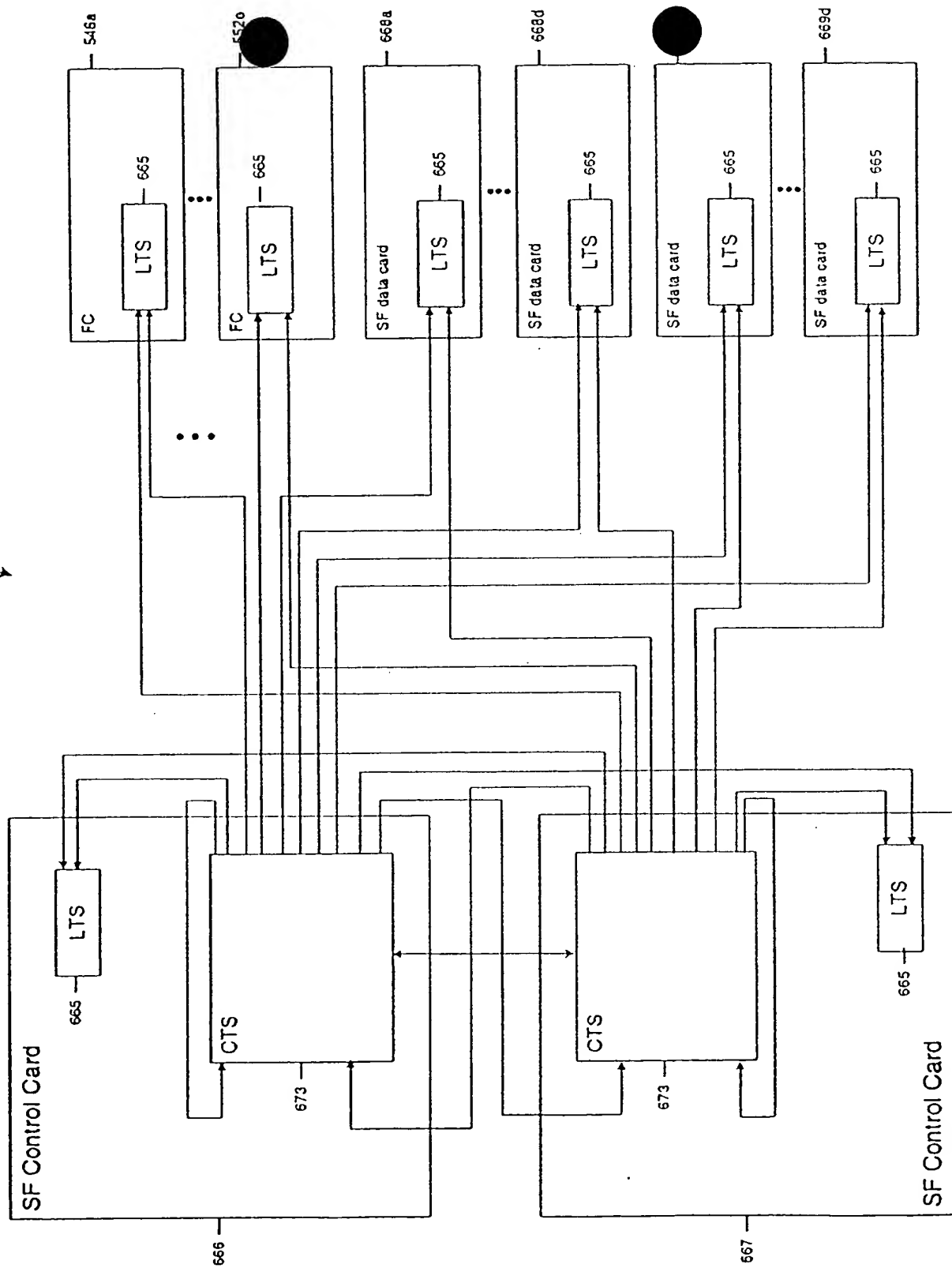
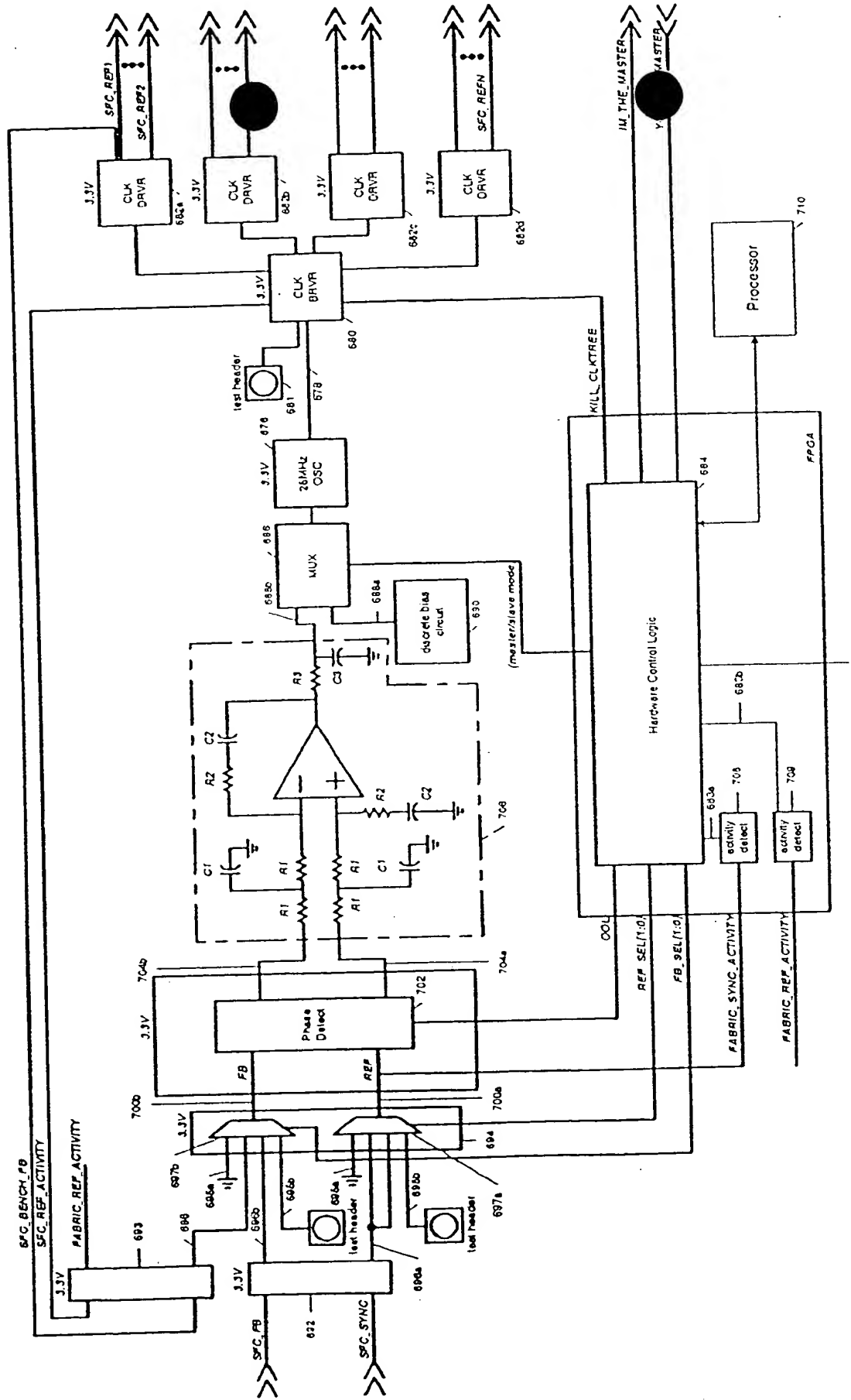


FIG. 44

673

CIS

FIG. 45



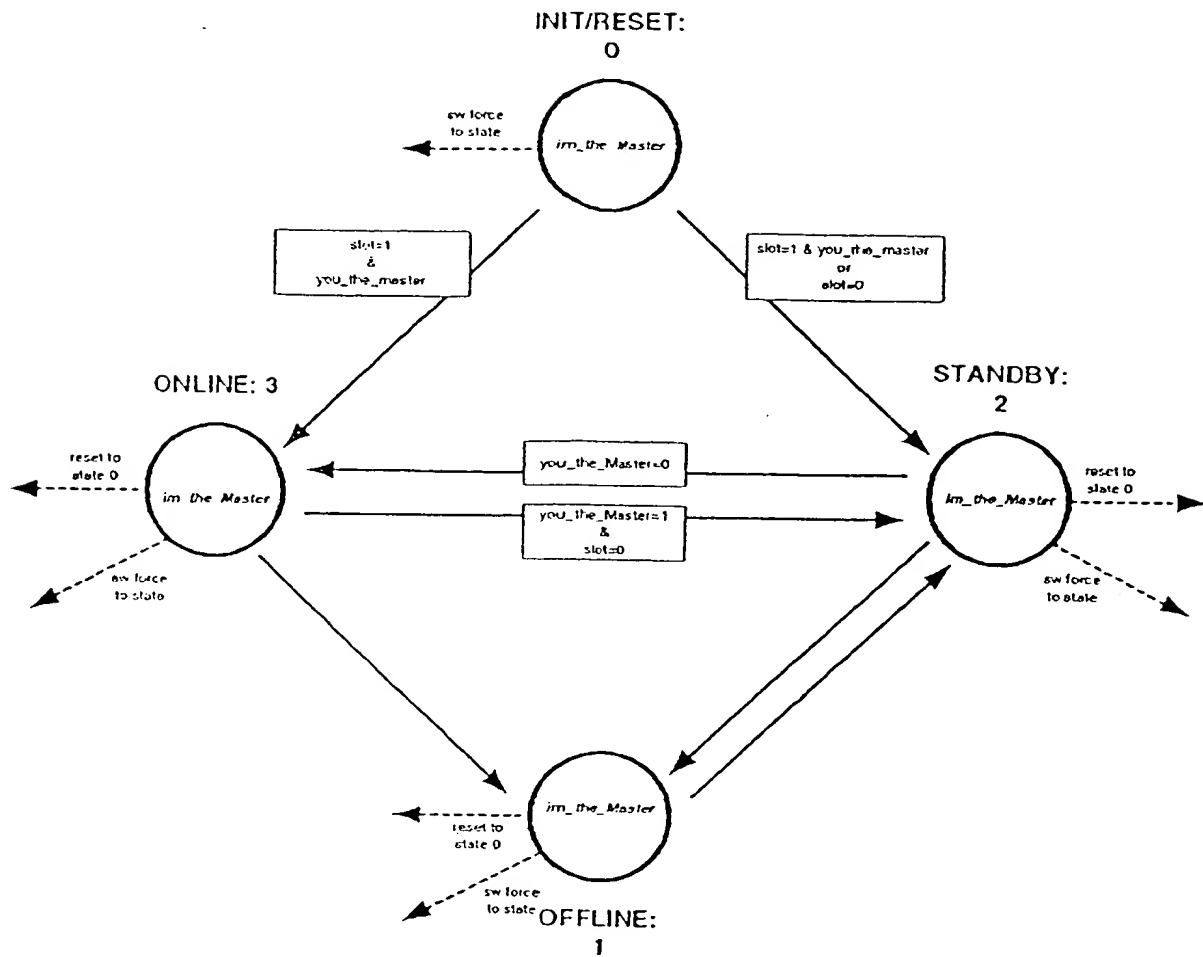


FIG. 46

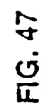


FIG. 47

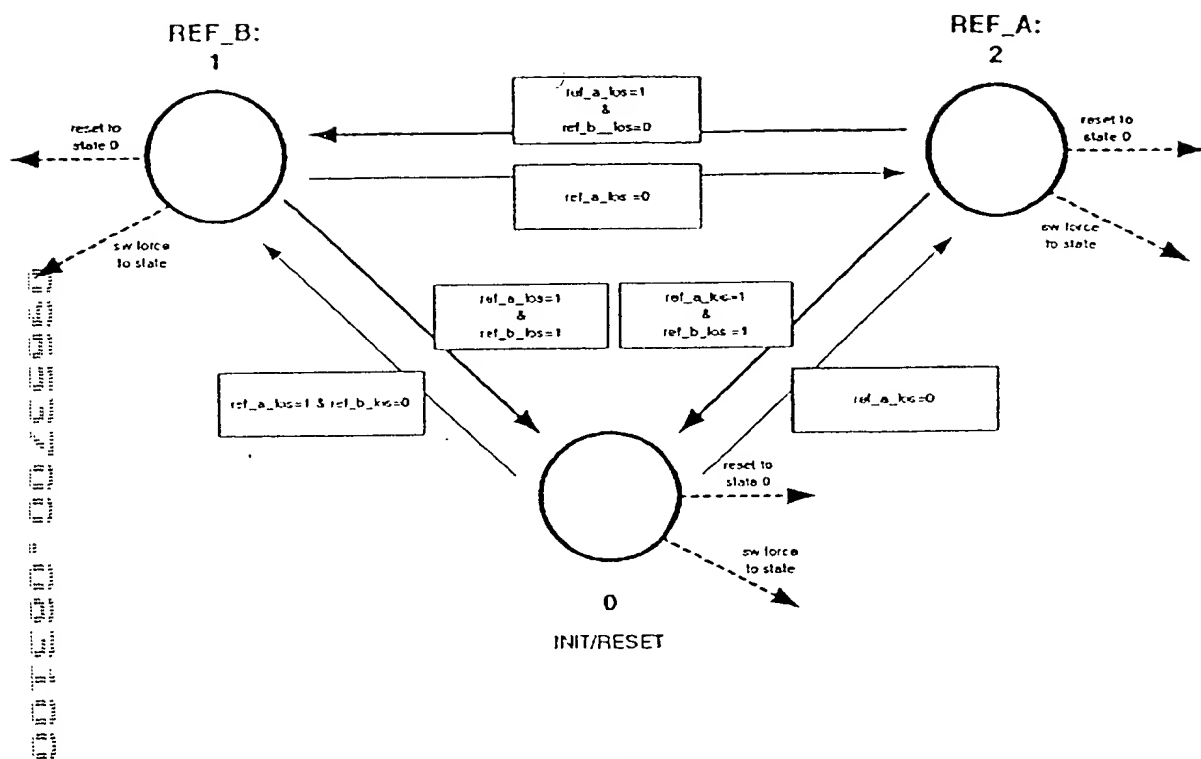


FIG. 48

540

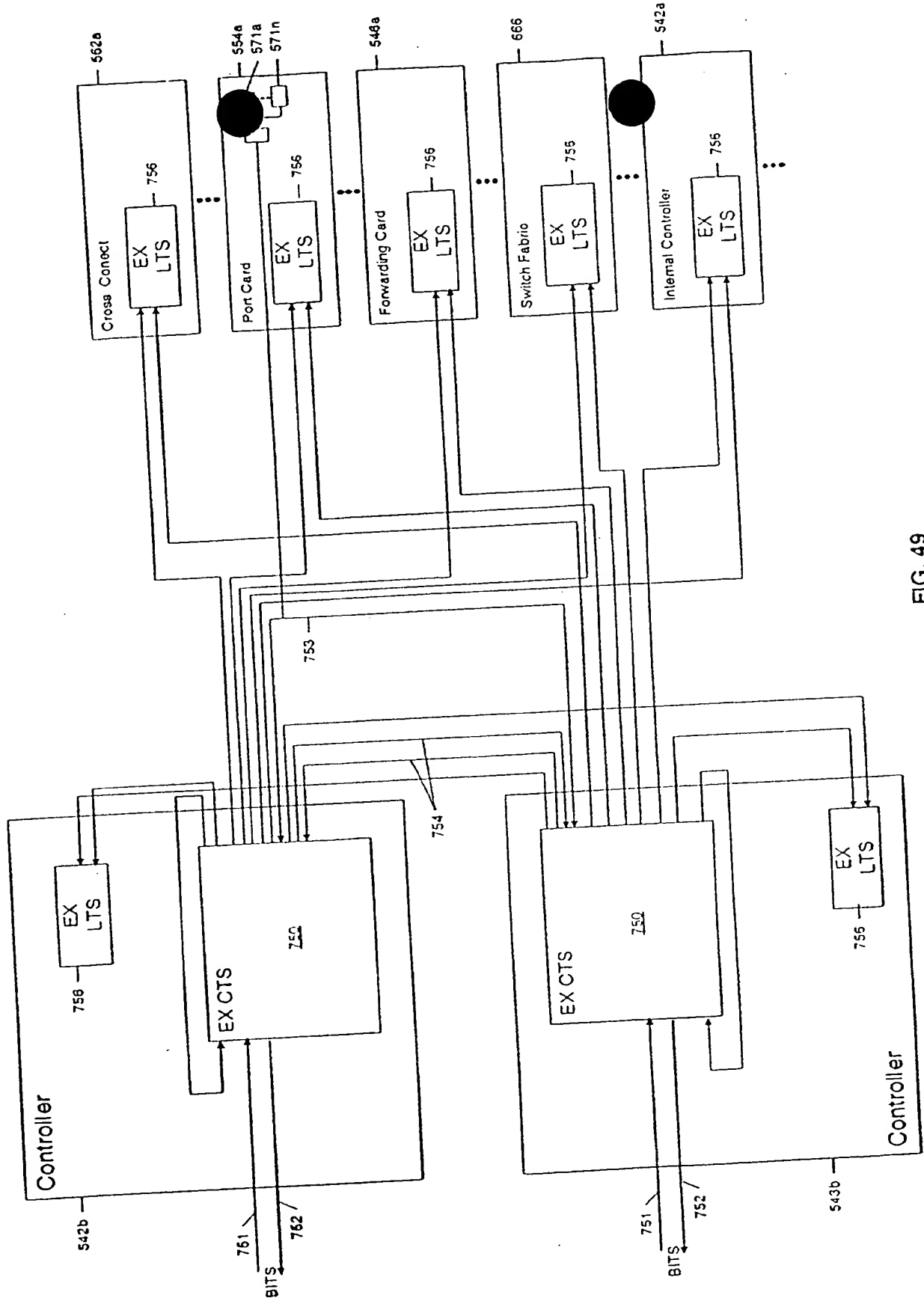


FIG. 49

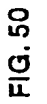


FIG. 50

Jul-6-00 4:27PM;

781 795 2031;

Sent By: Equipe Communications;

19.44 MHz with embedded 8kHz

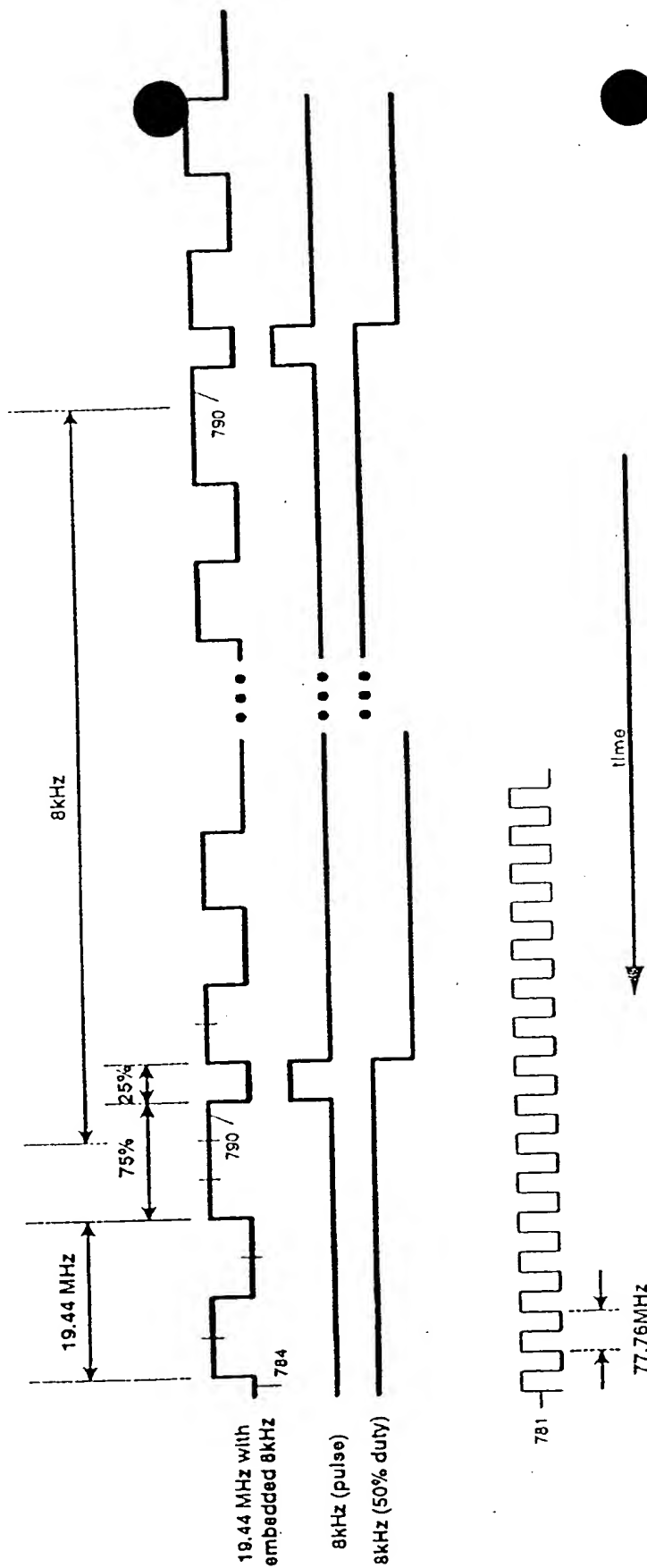


FIG. 51

792
800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

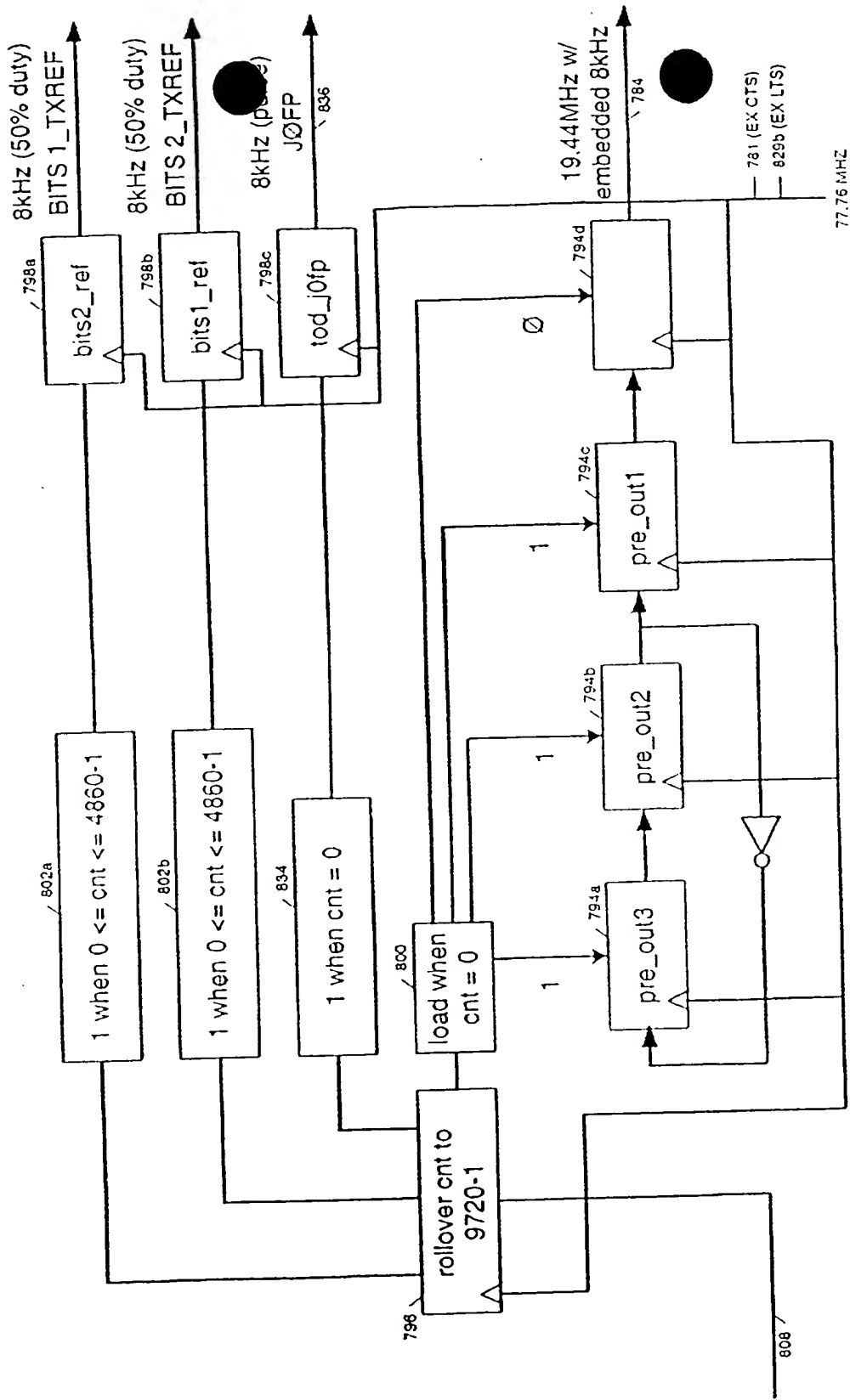
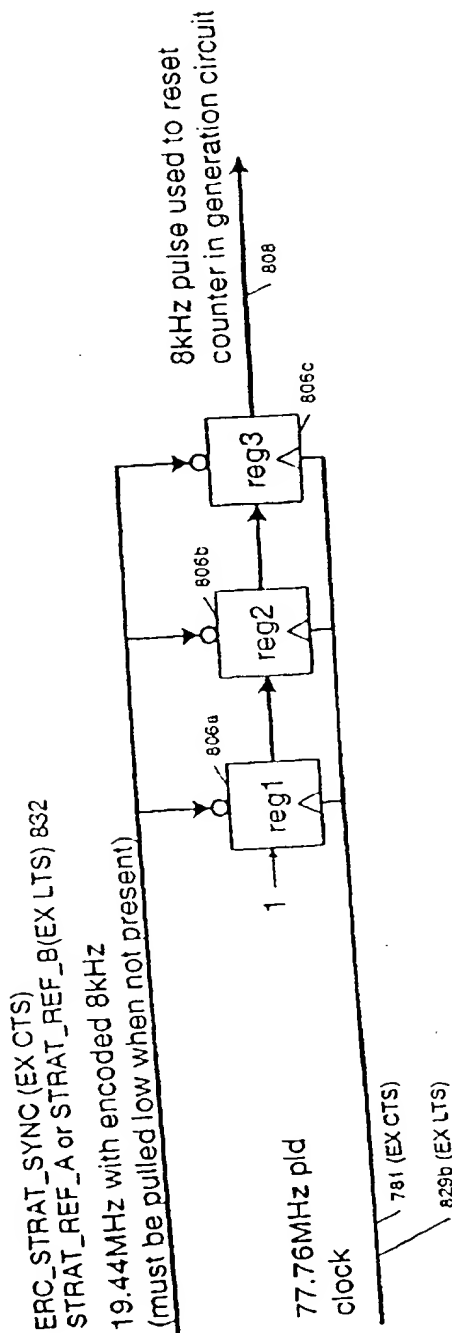


Fig. 52

ERC_STRAT_SYNC (EX CTS)
STRAT_REF_A or STRAT_REF_B (EX LTS) 832
19.44MHz with encoded 8kHz
(must be pulled low when not present)

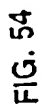
804



Extractor

FIG. 53

[Handwritten notes in cursive script, likely bleed-through from the reverse side of the page.]



FPGA

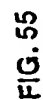


FIG. 55

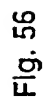


Fig. 56

FIG.57

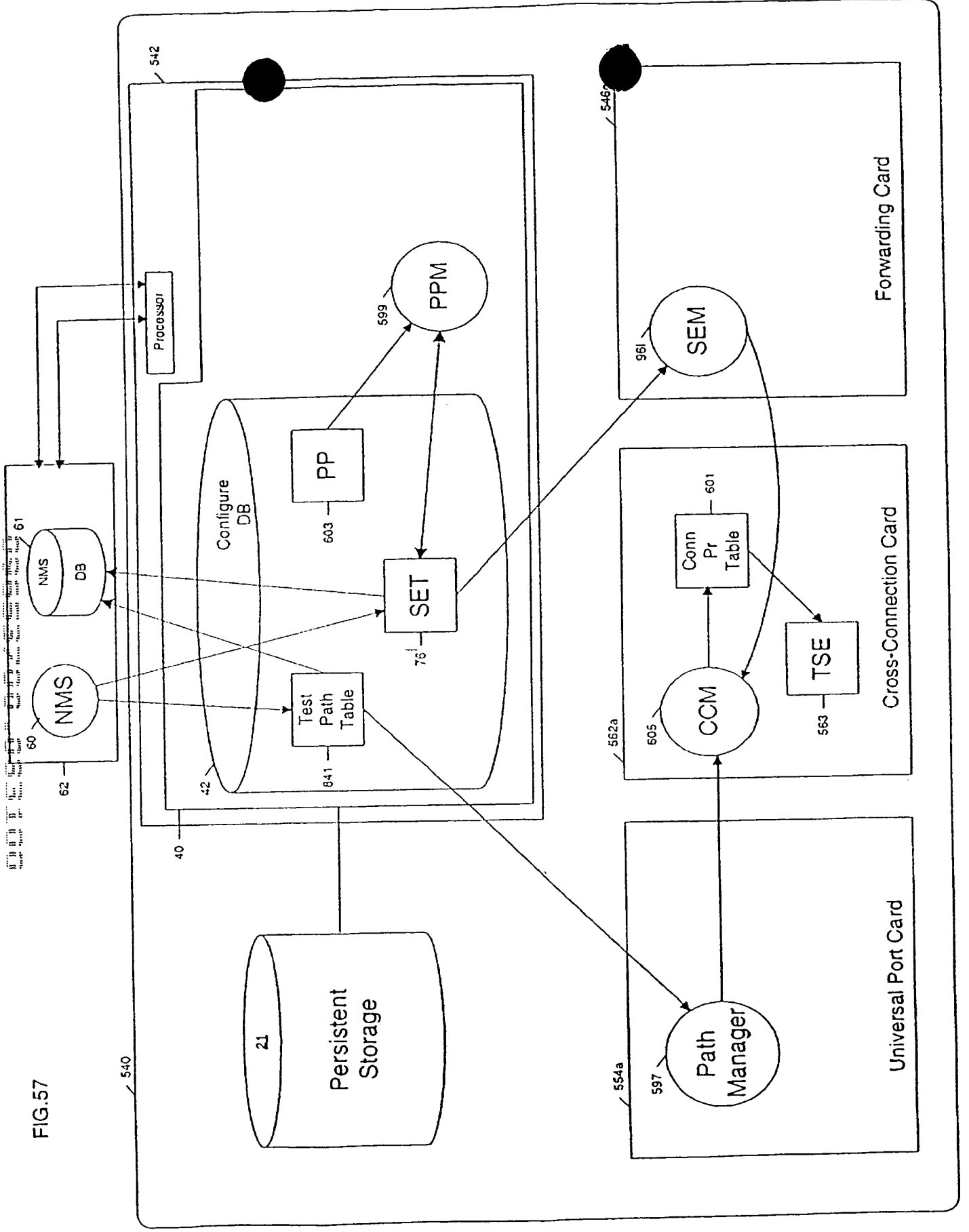


FIG. 58

Test Path Table 841

842	843	844	845	Path LID	UP Port LID	Time Slot	# of Time Slots	Monitor	Enable Port Receiver	...
				1666	1232	4	3	Ingress	No	
				1666	1233	4	3	Egress	No	
				1666	1233	4	3	Ingress	Yes	
				⋮	⋮	⋮	⋮			⋮
				⋮	⋮	⋮	⋮			⋮

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